

planet green

- Special Report on 20th AEEA 2023
- 24 Years Journey of NFEH
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- Exclusive Interview of Syed Nadeem Arif



NFEH
National Forum for
Environment & Health

Marking **20 Years of Success** **Together towards a brighter future**

Team NFEH is grateful for our Partners & Supporters





ECO-EFFICIENT ORGANIZATION

We, being the largest of oil & Gas Exploration & Production company of Pakistan, always contribute to the environment where we work as well as contribute to the welfare of the people of the area. We ensure that our products are supplied to the market, consumers and other stakeholders only after having properly processed i.e. with minimum (allowable) potential for pollution in addition to the water and waste treatment plants, septic tanks, soak pits, oxidation ponds etc. following processes are being carried out as company policy which shows sustainability towards environment.

- Drilling mud is reused after separating the solids cuttings through shale shakers. Produced water is re-injected to the ground after removing oil & grease and excess chemicals.
- For unwanted and hazardous gases different absorbents/ adsorbents, scrubbers and desiccants (molecular sieves) are used. Resuable traces of gases are burnt as per international practice in the flare.
- On the more visible side, plantation of trees in the operating fields and plants is a routine measure to compensate the emissions from different activities carried out in the fields.

Due to our sustainable mechanisms pertaining to safeguard of environment and society, OGDCL have won the following laurels during the recent years:
 ISO 14001 and ISO 45001 certification from the globally renowned Registrar like PMA DNV, PMA 505, and PMA Bureau Veritas.
 Annual Environmental Excellence Awards (AEEAs)

ENERGY CONSERVATION

Oil and gas are major components of the Pakistan's Energy Mix as these are currently fulfilling more than 80% of the country's primary energy needs. We are aware of the country's needs for conservation to bridge the gap between energy supply and increasing demand. We have successfully installed separate compressors after necessary modification in gas circuit to reduce tons of CO₂ equivalent emissions due to flaring of gas from its major gas processing plants. Previously permeate gas from the major gas field was being flared resulting in large amounts of carbon emitted into the atmosphere without any use of the associated energy. The permeate gas is now being utilized in a modern combined cycle power plant in the private sector. The electricity so generated is supplied to the national grid utilizing the gas which would otherwise has been flared/ vented into the atmosphere. In addition, management has introduced various protocols to conserve energy in the process operations and other routine activities at major gas processing plants. The major parameters include monitoring of fuel (oil / gas) and chemical usage / consumption and proactively addressing / troubleshooting heating and cooling systems. Similarly, plants are developed to assure prudent utilization of all pertinent natural energy resources.

PIONEER IN FLOATING WETLAND TECHNOLOGY IN PAKISTAN

OGDCL becomes first E&P company to introduce Floating Treatment Island/ Wetland (FTWI) technology in Pakistan. The concept of Floating Treatment Island/ Wetland (FTWI) technology has been applied at OGDCL. The concept was applied by OGDCL for produced water treatment/ disposal issue. OGDCL awarded the contract to National Institute for Biotechnology and Genetic Engineering (NIBGE) oil no-profit no-loss basis to revitalize Rajan's produced water in the contaminated pits. It was the first project of its kind in Pakistan and about ten times cheaper than the conventional solution. The project was applied to floating treatment airtards in one of the pits at Rajan Oil

Field to improve wastewater quality and later on at Dakhni Gas Processing Plant. The design of FTWI adopted at these locations took into account specific plants capable of taking up organic and inorganic contaminants along with water through their natural processes in amounts that are significantly higher than what majority of the plants can tolerate.
 Cost saving was apparent as locally fabricated floating mats and emergent plants were used to develop FTW. Moreover, specific hydrocarbon-degrading bacteria were inoculated to the plants to enhance pollutants degradation. The average biological remediation time was around six months. Another benefit for OGDCL was the domino effect i.e. after successful application in Rajan and Dakhni, these developed FTW's could easily be utilized in another contaminated pit or other location for remedial measures and hence save huge costs on recurring basis.



FIRST BIOREMEDIATION SITE

Traditional methods for the disposal of Oil Based Mud (OBM) drill cuttings have included pit burial or leaving the untreated cuttings scattered in-situ. Increasingly stringent regulations and increased environmental awareness have required new and improved disposal techniques. The process in practice at OGDCL's first bioremediation site is called Oil Based Mud Bioremediation. The concept is that some micro-organisms have the ability to digest organic compounds using specialized protein molecules, known as enzymes. Synthetic are what are referred to as biological catalysts. Some micro-organisms produce enzymes capable of accelerating the biodegradation process of organic pollutants into harmless carbon dioxide, water and clean sands. The natural process is exploited and used in the oil industry to treat drill cuttings waste. Drill cuttings are placed into the cells of the bioremediation plant, along with measured quantities of seawater, sand, nutrients and naturally occurring microbes. The mixture can be treated by either manpower or machine depending on the size of the project and location. Properly irrigated, regular mixing and passage of time allows the pollutants in the drill cuttings to be degraded and consumed by the microbes. This process causes the percentage of oil in the drill cuttings to drop to a level which is environmentally acceptable in many cases. The end products, containing harmless nutrients, can be used as a growing medium. The balance of micro-organisms and chemicals required is very much dependent on the composition of the drill cuttings or other waste material. First Bioremediation Plant was built for the purpose of safe disposal/ treatment of Oil Based Mud (OBM) cuttings through bioremediation. The site consisted of one storage and three reinforced-concrete (RCC) pits to accommodate the load of thousands of cubic meter of OBM cuttings to be treated through bioremediation.



CARBON FOOTPRINT STUDY INITIATIVES

A carbon footprint is defined as the total amount of greenhouse gases produced to directly and indirectly support human activities, usually expressed in equivalent tons of carbon dioxide (CO₂). In other words, when we consume electricity to light/ warm up our homes, or when we buy consumer products, we are actually contributing to our carbon footprint because the generation of electrical power and the production of consumer goods release some amount of carbon dioxide into the atmosphere. The equivalency scale allows comparison for different greenhouse gases (GHG) based on their global warming potentials (GWPs). Carbon dioxide is released primarily from the combustion of fossil fuels. While in an oil and gas industry methane emissions occur due to fugitive equipment leaks and process vents. Nitrous oxide is produced in trace amounts based on the type of fuel and equipment. By utilizing internal resources, we have been conducting carbon footprint studies employing internal resources and every year one major gas processing plant is selected as a case study. The potential sources of emissions identified at these sites is grouped into various categories and each category is then assessed for its potential GHG emissions. The methodology used for the estimation of carbon footprints is called Fuel Analysis Approach. Based on the study results, GHG emissions inventory are maintained where resources allow, potential GHG emissions sources are identified and periodic monitoring done over a range of conditions and equipment in pollution control technologies is considered as well as using sophisticated equipment is opted to control flare emissions and operate knock-outs. The operators in oil & gas industry often involve large number of processes and components including valves, flanges, connectors, pumping points, vessels, etc. The team recommends the fugitive emissions if monitored over a long period of time could provide opportunities of pollution abatement as well. Eventually the parameters like volume, pressure of the gas stream, temperature, operating flow rate, etc. are optimized according to the system capacity to yield better performance and fewer emissions. Routine checks and timely maintenance of the system are always ensured where necessary, the aged and worn-out parts are replaced with Original Equipment Manufacturer's (OEM) specified spares in time.

A dramatic change in our company is hence visible that how by putting real emphasis on Climate Change Campaigns, the theme 'SAVE ENVIRONMENT SAVE PAKISTAN' is realized through observance of above significant measures.



OIL & GAS DEVELOPMENT COMPANY LIMITED

SAVE ENVIRONMENT SAVE YOURSELF

Environmental degradation is not only threatening environmental sustainability, but also affecting Pakistan's ability to tackle development and growth



OGDCL is playing its due role in environmental protection and proactively involve in overcoming the root causes inducing environmental issues. Under CSR, we are always at the forefront that is, helping general environmental victims to resettlement of flood & earthquake affectees.

We pledge to continue our support for the country, hence making
SAVE ENVIRONMENT - SAVE PAKISTAN A REALITY.





National Forum for Environment & Health



National Forum for Environment & Health (commonly known as NFEH) is a purely Non-Governmental, Non-Profit and Voluntary Organization registered under the Voluntary Social Welfare Agencies Ordinance 1961, with an aim to facilitate, promote and help create environmental, healthcare and educational awareness among masses in general, among youths and children in particular.

NFEH was established on June 05, 1999 (on the eve of World Environment Day) by a group of like-minded and committed professionals, environmentalists, academicians, industrialists, youth and community workers. They are committed to volunteer their efforts and invaluable time to maximize possible resources for conserving natural environment and reducing hazards being emerged due to Climate Change.

NFEH is affiliated with the United Nations Environmental Program (UNEP) and its activities are being supported by the Ministry of Climate Change, Government of Pakistan. Ministry of Environment, Climate Change & Coastal Development – Govt of Sindh, EPA Sindh, and Federation of Pakistan Chambers of Commerce & Industry (FPCCI).

Pakistan was the first country to adopt SDGs 2030 agenda through a unanimous resolution of parliament. We are therefore fully endorse the Sustainable Development Goals (SDGs 2030), adopted by all United Nations Member States in 2015. NFEH strongly emphasizes on Good Health & Well-being (3), Clean Water & Sanitation (6), Affordable Clean Energy (7), Sustainable Cities (11), Climate Action (13), Life Below Water and On Land (14&15) and Partnership for the Goals (17).

NFEH always takes firm stand on various environmental issues including Air-Pollution, Water Scarcity and Deforestation. We also participate in advocacy and attempts to generate awareness about environmental issues in segments. Further, NFEH organizes seminars, conferences and institutes awards for those who deploy environment friendly practices in their industries as well as work in the social sector.

We are committed to serve and promote the cause of healthcare and protection of natural environment by creating awareness among all segments of the society. To accomplish this goal, it has organized a number of seminars, workshops, conference, walks, festivities and activities and arranged other such programs.



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24-year journey of

NFEH for improving environmental, public health standards in Pakistan



Ruqiya Naeem

The National Forum for Environment and Health (NFEH) began its journey back in 1999 just a year before the start of the new millennium with the firm resolve to strive hard to transform environmental and public health conditions in the country.

In pursuit of its mission, it launched the Annual Environment Excellence Awards (AEEA) as the first-ever institutional effort in the country to recognize and honour the hard work of the corporate and commercial entities in Pakistan in adhering to the national and international environmental protocols.

Up till now 20 editions of the AEEA have been successfully held. In every edition of the AEEA, leading corporate and industrial organizations including multinationals actively participated and won awards. The number of participating organizations has been continuously growing in every edition of the AEEA. This trend shows that AEEA since its inception encouraged companies to perform better than their competitors in the field of environmental

protection. Following in the footsteps of the NFEH, other concerned non-governmental organizations and non-profits launched similar award competitions to recognize the outstanding performance of the companies in protecting the environment. The credit should be given to the NFEH for doing the spadework for creating healthy competition among the business and industrial organizations for showing better performance in safeguarding the environment.

A jury comprising senior and renowned environmentalists and climate activists works in every edition of AEEA for selecting the award winners on meritorious grounds. Each of the participating companies is sent a questionnaire, comprising questions pertaining to environmental standards, for properly evaluating their performance. The performance of each of the nominee organization is checked in adhering to the environmental laws and protocols. In many of the instances, the NFEH's team and jury members go for on-site examinations of the offices, manufacturing, and other operational sites of the participating companies for verifying their claims about

adherence to the environmental laws. The jury never entertained nominations with incomplete answers to the questions given in the questionnaire.

The NFEH never entertains nominations sent in by the commercial and industrial organisations whose core activities and flagship products have an obvious impact on the environmental and public health status in the country like liquor and tobacco companies. The companies whose cases are being heard in the environmental tribunals are also not considered for these awards.

Every event of AEEA is attended by dignitaries from different walks of life including industrialists, policymakers, politicians, philanthropists, bureaucrats, businessmen, social activists, representatives of the environmental watchdogs, and officials of civic and municipal agencies. Also every year a conference alongside AEEA event is held to discuss an issue or aspect of the prevailing environment and climate emergency in the country. The concerned environmentalists, academics, and researchers who speak at these yearly conferences discuss in detail the issues of urban



In addition to AEEA and yearly conferences on environment and climate emergency, NFEH regularly held conferences on CNG, women, and public health issues including dental care, fire safety, youth and media, and CSR activities in the country.



waste management, hospital waste, water and marine pollution, urban transport services, industrial and vehicular emissions, urban built environment, and various aspects of the pressing issue of climate change. These moots also take into consideration recent disasters in the country including drought, smog, heat waves, heavy rains and urban flooding, devastating floods, and fast melting of glaciers in the country caused due to the serious climate vulnerability of Pakistan. The recommendations of these conferences drafted by climate experts, activists, and researchers are duly shared with all the relevant state and government agencies for implementation for mitigating serious environmental issues in the country. The sitting governors, federal, and provincial ministers of Climate change, Environment, Local Government, and other relevant ministers who chair proceedings of these conferences every year praised the efforts of NFEH for providing an interactive platform for discussing the environmental vulnerabilities of Pakistan and recommending their possible solutions. Senior diplomats of different friendly countries also keenly attended these conferences over the past many years to get firsthand knowledge about the seriousness of the climate emergency in Pakistan. At one such conference, the chief of the Sindh Environmental Protection Agency announced that cases would be referred to the environmental tribunals against the civic and municipal agencies if they were found flouting

environmental laws including disposal of waste in a harmful manner and unchecked discharge of untreated effluents into different water bodies. At the recent edition of the AEEA, the concerned environmentalists and experts discussed climate emergency and prevailing modes of public transport in urban areas. In addition to AEEA and yearly conferences on environment and climate emergency, NFEH regularly held conferences on CNG, women, and public health issues including dental care, fire safety, youth and media, and CSR activities in the country. It held multiple seminars to raise public awareness of breast cancer and other health issues of women. The NFEH partnered with other organisations for promoting the cause of woman's empowerment. The NFEH regularly holds

events to mark occasions like World Environment Day and Earth Day. The Annual CSR Awards is another flagship event of the NFEH for encouraging philanthropy and corporate giving for noble charitable causes in society. A recent event of the Annual CSR conference and awards recognized welfare and charitable activities for the relief and uplift of the flood-devastated communities in the country. The NFEH has been regularly conducting tree plantation campaigns for the last many years particularly in Karachi in collaboration with the office of the Commissioner, Karachi Metropolitan Corporation, PIA, district municipal corporations, many other concerned industrial organisations, non-profits, and NGOs. The NFEH actively took part in the efforts of different bodies to grow urban forests in Karachi. In this connection, it actively worked with former Karachi's commissioner Sohaib Siddiqui, Karachi Mayor Murtaza Wahab, former Karachi Administrator Dr Syed Saifur-Rehman, and other authorities in conducting the campaigns to keep Karachi clean, green, and peaceful. The NFEH joining hands with its partners and sponsors also regularly conducts beach cleaning activities in Karachi. The NFEH has been working with the Dawoodi Bohra community in its tree plantation activities in the city. The chief guests who graced different conferences, seminars, and roundtables hosted by NFEH praised that its President Naem Qureshi is fully supported by his wife Mrs Ruqiyah Naem in holding these events for highlighting environmental, health, and other serious social and public issues in society.

Mrs Ruqiyah Naem also serves as the Secretary-General of NFEH. Others who actively took part in organising NFEH's activities in these 24 years include Sirajuddin, Nadeem Ashraf, Khalid Iqbal, Musaddiq Aziz, Salman Kazmi, Sana Afzal, Yasir Khursheed, Afia Salam, Dr Kaiser Waheed, Ahmed, Tareen, and others. Noted environmentalists and climate change experts Syed Nadeem Arif, late Dr Samiuzzaman, Saquib Ejaz Hussain, and Shamsul Haq Memon, served on the jury of AEEA.



Interview with Planet Green

Nadeem Arif

 CEO, EMC Pakistan
 says our company has conducted over 1,000 environmental assessments

— M. Naeem Qureshi —

Q1. Can you tell us about EMC Pakistan's journey so far and some of the significant milestones the company has achieved?

Ans: This year the company has celebrated 26 years of serving the private and public sectors of Pakistan, aiding both alike in striving for sustainability and reducing their footprint in this growingly concerned and conservative world.

In this time, EMC has successfully conducted over 1,000 environmental assessments and studies for clients in all kinds of industries, where some noteworthy projects include the Karachi Circular Railway Project, Green Line Bus Rapid Transit Project, K2/K3 Nuclear Power Plants, and



TAPI Gas Pipeline. The company continues to play its part in ensuring that proper environmental planning forms a part of mega projects that will change the face of the country, including projects like KWSSIP, SWEEP, & SFEHRP.

Q2. How does EMC Pakistan stay informed about the latest developments in environmental policies and regulations, and how does the company ensure compliance with them?

Ans: The company reinforces the famous saying of Alvin Toffler, in which he stated:



“The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn.” Where a nature of constant research and development is always present due to the varying projects that the company is involved in, and the ever-changing state of the environment. This in turn aids the company in providing clientele with cutting-edge solutions to their problems.

Q3. How does EMC Pakistan engage with the corporate sector and industries and communities to raise awareness about environmental issues and promote environmental stewardship?

Ans: EMC aids corporate and industrial clients alike in providing them guidance on how to not only set up new projects while being conscious of their footprint on the environment but also on how to maintain a minimal footprint during their operations. Through these, EMC helps these companies in reviewing their current practices and seeing areas for improvements in line with the latest technologies and practices.

Q4. How do you see the NFEH activities,

especially the annual environment conference and environment excellence awards, and its impact on the corporate sector and the county

Ans: The NFEH activities and events help create a benchmark for sustainability and excellence in the industry and amongst corporate clients, something which is currently missing. It creates a sense of responsibility amongst recipients of the award and potential recipients in carrying out efforts to minimize their footprint that would lead to their efforts being recognized in forums like these.

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn.

NFEH

setting new standards of excellence

Salman A. Siddiqui

During the last few decades, environmental concerns and matters related to public health have been the two major issues that have been threatening the mankind. The significant role played by many organizations dedicated to addressing these two grave issues has been the need of the hour and needs to be applauded.

I have very closely watched one such organisation that has been relentlessly unfolding noteworthy efforts by playing a leading role in promoting sustainable environmental-friendly practices and constantly raising awareness on public health issues through dialogue, advocacy and building partnerships. This distinctive organisation, National Forum for Environment and Health, commonly known as NFEH has over the years demonstrated outstanding

con-



duct and has bagged numerous achievements that deserve recognition and applause from every quarter.

Under the dynamic leadership of its founding Chairman Muhammad Naeem Qureshi, ably supported by his result-oriented team, NFEH's success is monumental as the Forum has been instrumental in launching and implementing a wide array of initiatives aimed at climate change, conserving natural resources, reducing carbon footprints and promoting eco-friendly lifestyles. From tree planting campaigns to plastic waste reduction drives, NFEH has consistently displayed a proactive approach in addressing pressing environmental issues in the

last two decades.

NFEH truly understands that public health is intricately linked to the environmental well-being and the Forum has been a noticeable voice for policies and practices that contribute to better public health outcomes. Through its professionally managed workshops, seminars and awareness campaigns, NFEH has played a pivotal role in educating communities on the importance of safe drinking water, clean air and paper and solid waste management. By regularly promoting healthier environments, the Forum has significantly contributed in improving quality of life for countless individuals, throughout Pakistan.

If one has to closely observe the distinctive performance of NFEH, he has to admit the fact that this marvellous team has also worked in fostering collaborations with a diverse range of working groups.



ORGANIZED BY NATIONAL FORUM FOR ENVIRONMENT & HEALTH WWW.NFEH.ORG.PK

20TH ANNUAL ENVIRONMENT EXCELLENCE AWARDS 2023

CONGRATULATION TO AWARD WINNERS

EVENT MANAGED BY Kabbay Chartered

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| MAL PAKISTAN | MEHRAN SUGAR MILLS LIMITED | MMP PAKISTAN (PVT.) LIMITED | MONDELEZ PAKISTAN LIMITED | MUSTAGAM DYING & PRINTING INDUSTRIES (PVT.) LIMITED | NABHAR BOTTLING COMPANY (PVT.) LIMITED | OIL & GAS DEVELOPMENT COMPANY LIMITED | PAK-ARAB REFINERY LIMITED |
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NFEH

conference on Adopting urban transportation to climate change

* Annual Environment Excellence Awards presented to 81 companies; organisations honored awards tree plantation campaigns



Group Photo of 20th Annual Environment Excellence Awards 2023 winners with Chief Guest The honourable Consul General of the UAE, Bakheet Ateeq Al Remeithi. Guest of Honor Secretary Energy Sindh Abu Bakar Ahmed, CEO Indus Hospital Dr. Abdul Bari, President NFEH M. Naeem Qureshi, Secretary General Ruqiya Naeem, Vice President Engr. Nadeem Ashraf, CEO EMC Pakistan Syed Nadeem Arif and others.

Ruqiya Naeem

The National Forum for Environment and Health (NFEH) in partnership with the Energy Update and other partner organizations conducts every year an impressive event to recognize and reward the excellent work of the industrial and corporate sectors of Pakistan in protecting the environment.

The Annual Environment Excellence Awards (AEEA) honour Pakistani companies for outstanding performance in any field. In addition to recognizing remarkable work by the companies in protecting the environment, the NFEH organises this event to gather on one platform the environmentalists, researchers, donors, policy planners, elected representatives, and officials to discuss an important aspect of the climate emergency in Pakistan. This year too, on the occasion of the 20th AEEA-2023, the NFEH held a conference on Adopting urban Transport to climate change..

The speakers, including urban planning

and climate change experts, discussed in detail the efforts underway to modernize public transportation systems in large cities of Pakistan including Karachi, and their likely benefits for the environment.

The honourable Consul General of the UAE, Bakheet Ateeq Al Remeithi, addressed the conference as its chief guest. The UAE diplomat assured the audience that the world community assembling at the United Nations Climate Change Conference-2023 (COP-28) to be held in Dubai later this year was sure to provide special financial

assistance to Pakistan keeping in view its serious climate vulnerability.

Remeithi said that he had been personally a witness to the massive impact of the phenomenon of climate change in Pakistan during his years-long stay in the country. He said the heads of state, senior relevant authorities, and environmental experts belonging to various countries soon gathering in Dubai for COP-28 had no option other than taking into account Pakistan's serious vulnerability due to climate change.



Group Photo of 1st Annual Environment Excellence Awards 2004's Winning Companies Representative with Team NFEH. (They were recognized by NFEH on their 20th Years of Success of AEEA).



From L TO R Consul General of the UAE, Bakheet Ateeq Al Remeithi, President NFEH M. Naeem Qureshi, CEO Indus Hospital Dr. Abdul Bari, SG NFEH Ruqiya Naeem, Mian Zahid Hussain, Director Exponent Engineers Asher Lodhi, Energy/Environment Expert Engr. Irfan Ahmad, Environment Engineer EMC PAK Syed Omar Arif & Vice President NFEH Khalid Iqbal.

Remeithi said the world community would surely provide a sizable portion of the global budget meant for tackling the climate emergency in Pakistan owing to the massive destruction caused by events like floods, heavy rains, and heat waves.

He assured the audience that the UAE rulers would fully support Pakistan’s case in this

Memon, hoped that modern mass transit facilities being developed in large cities of Pakistan, including Karachi, in the form of bus rapid transit system (BRTS) and urban rail service would be highly helpful in tackling the environmental emergency.

Ashar Lodhi, a senior engineering consultant, said the BRTS fully functional

environmentSindh Government’s Energy Secretary, Abu Bakar Madni, praised NFEH for regularly holding conferences on environmental issues.

NFEH President, Naeem Qureshi, thanked the UAE Consul General for attending the event and reaffirming the commitment of the brotherly Islamic country to provide the fullest assistance for tackling the climate emergency in Pakistan. He said the NFEH would continue to hold more such conferences.

NFEH Secretary-General Ruqiya Naeem in her vote of thanks said that her NGO would further accelerate its tree plantation drive in Karachi and other cities by involving concerned stakeholders in increasing green cover in the country.

On the occasion, 81 companies were awarded the 20th AEEA-2023 for their exceptional performance in tackling the climate emergency. Seven organizations were given away special awards for their active tree plantation campaigns.

Noted businessman Mian Zahid Hussain; Abdul Aziz, BRTS General Manager in Karachi; Ashar Lodhi, a senior engineering consultant; Dr Kasier Waheed, Engr Nadeem Ashraf, Engr Irfan Ahmad, Bilawal Suhag and others also spoke on the occasion.



Panelists include Shams ul Haq Memon, Shabina Faraz, Bilawal Suhag and Abdul Aziz

regard as they had always come to support the suffering and underprivileged Pakistani brethren after every disastrous event.

The UAE diplomat said that he had been following up on a daily basis to ensure that the Pakistani government actively took part in the upcoming COP-28 to effectively highlight the country’s climate risk vulnerability before the concerned world community.

Speaking as the guest honour, the CEO of Indus Hospital, Dr Abdul Bari Khan, said that environmental degradation in the last few years had massively affected the physical and mental health of Pakistanis.

He said that improvement of the environmental conditions would go a long way in keeping Pakistanis healthy and lessening the massive public spending to tackle a number of diseases and health issues directly linked to the environment.

Former Sindh government’s Environment and Forests Secretary, Shamsul Haq

in Karachi would provide massive relief to Karachiites by mitigating the traffic and pollution problems of the city.

Environmentalist, Syed Omar Arif, said that mass transit systems should be expeditiously built in cities like Karachi as harmful vehicular emissions had massively degraded the



Picture of Concluding Ceremony Include Chief Guest Consul General of the UAE, Bakheet Ateeq Al Remeithi, Guest of Honor Former Secretary Energy Government of Sindh Abu Bakar Ahmed, President NFEH M. Naeem Qureshi, CEO Indus Hospital Dr. Abdul Bari and SG NFEH Ruqiya Naeem



Annual Environment Excellence Awards

PICTURES OF AWARD WINNERS



ALMOIZ INDUSTRIES LIMITED



ARTISTIC GARMENT INDUSTRIES (AGI DENIM) (PVT.) LIMITED



ARTISTIC MILLINERS (PVT.) LIMITED



BABA FARID SUGAR MILLS LIMITED



BELTEXCO LIMITED (MIDAS SAFETY)



BESTWAY CEMENT LIMITED



CENTURY PAPER & BOARD MILLS LIMITED



CORONET FOODS (PVT.) LIMITED



CPHGC 1320MW COAL FIRED POWER PLANT



DAWLANCE GROUP OF COMPANIES



DAWOOD UNIVERSITY OF ENGINEERING & TECHNOLOGY



EFU GENERAL INSURANCE LIMITED



Annual Environment Excellence Awards

PICTURES OF AWARD WINNERS



ENGLISH BISCUIT MANUFACTURERS (PVT) LIMITED



FAST CABLES LIMITED



FATIMA FERTILIZER COMPANY LIMITED



FATIMAFERT LIMITED PLANT SITE SHAIKHUPURA



FAUJI CEMENT COMPANY LIMITED



FAUJI FERTILIZER BIN QASIM LIMITED



FAUJI FERTILIZER COMPANY LIMITED GOTH MACHHI



FAUJI OIL TERMINAL & DISTRIBUTION COMPANY LIMITED



FAUJI TRANS TERMINAL LIMITED



GADOON TEXTILE MILLS LIMITED



HABIB BANK LIMITED



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Annual Environment Excellence Awards

PICTURES OF AWARD WINNERS



INDIGO TEXTILE (PVT.) LIMITED



INDUS MOTOR COMPANY LIMITED



INTERNATIONAL TEXTILE LIMITED



KOT ADDU POWER COMPANY LIMITED



LIBERTY MILLS LIMITED



LONGi SOLAR TECHNOLOGY CO. LIMITED



LOTTE CHEMICAL PAKISTAN LIMITED



LUCKY CEMENT LIMITED



LUCKY CORE INDUSTRIES LIMITED ANIMAL HEALTH BUSINESS



LUCKY CORE INDUSTRIES LIMITED PHARMACEUTICAL BUSINESS



LUCKY TEXTILE MILLS LIMITED



MACPAC FILMS LTD



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MAL PAKISTAN



MEHRAN SUGAR MILLS LIMITED



MM PAKISTAN (PVT) LIMITED



MONDELEZ PAKISTAN LIMITED



MUSTAQIM DYEING & PRINTING INDUSTRIES (PVT.) LIMITED.



NAUBAHAR BOTTLING COMPANY (PVT.) LIMITED



OIL & GAS DEVELOPMENT COMPANY LIMITED



PACKAGES LIMITED



PAK MATIARI – LAHORE TRANSMISSION COMPANY (PVT.)



PAK-ARAB REFINERY LIMITED



PAKISTAN ACCUMULATORS (PVT.) LIMITED



PAKISTAN REFINERY LIMITED



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PFIZER PAKISTAN LIMITED



PHARMATEC PAKISTAN (PVT.) LIMITED



PHARMEVO (PVT.) LIMITED



POLISH OIL & GAS COMPANY (POGC)
PAKISTAN BRANCH



POWER CEMENT LIMITED



PUNJAB THERMAL POWER (PVT.)
LIMITED (PTPL)



QARSHI INDUSTRIES (PVT.) LIMITED



QUAID-E-AZAM THERMAL POWER
PVT. LIMITED,



RECKITT BENCKISER PAKISTAN
LIMITED



ROOTS INTERENATIONAL SCHOOL



ROOTS SCHOOL SYSTEM



SAPPHIRE FINISHING MILLS LIMITED



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SECURITY PAPERS LIMITED



SEPCOIII ELECTRIC POWER CONSTRUCTION CO. LIMITED



SHABBIR TILES & CERAMICS LIMITED



SHAHBAZ GARMENTS (PVT.) LIMITED - GLOVES UNIT



SINDH SOLAR ENERGY PROJECT



SINO SINDH RESOURCES (PVT.) LIMITED



SUI NORTHERN GAS PIPELINES LIMITED



SUI SOUTHERN GAS COMPANY LIMITED



THAL ENGINEERING LIMITED



THAL INDUSTRIES CORPORATION LIMITED.



THAR COAL BLOCK-1 POWER GENERATION COMPANY (PVT.) LTD.



THE HUB POWER COMPANY LIMITED



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TNB REPAIR MAINTENANCE SDN.BHD



TRI-PACK FILMS LIMITED



UCH POWER (PVT.) LIMITED

TREE PLANTATION AWARD WINNERS



FAIQUE SALEEM HEAD OF TEAM
GREEN



FATIMAFERT LIMITED PLANT SITE
SHAIKHUPURA



HARBIN ELECTRIC INTERNATIONAL
COMPANY LIMITED



TOTAL PARCO PAKISTAN (PVT.)
LIMITED



QUAID-E-AZAM THERMAL POWER
PVT. LIMITED

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November
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Profiles of Award Winning Companies



Almoiz Industries Limited

VISION

“LEADING THROUGH QUALITY AND INNOVATION” Our vision is to be the world’s leading innovative and sustainable-centric producer of high-quality sweeteners, bio-energy, and allied products and services.

BUSINESS DIVISION

Almoiz Industries Limited, registered under the Companies Act, was established in 2003. It is part of a large industrial group with over 50 years of history, is one of the most technologically advanced and innovative sugar manufacturers in Pakistan, and is the only company to produce sugar from both sugarcane and sugar beet.

PRODUCT PORTFOLIO

It is committed to producing high-quality products of international standards. We serve all the top-tier MNCs and local large companies in Pakistan.

SUSTAINABILITY EMBRACED

Sustainability is the cornerstone of our company strategy. All our actions are governed by sustainability principles.

EXPLORE US

Everyday every person in the Almoiz family aspires to become better by acquiring new skills and techniques. This culture of Almoiz is infectious. Teamwork is in our DNA and together we aim to be the best in the world.



Artistic Garment Industries (Agi Denim) (Pvt.) Limited

AGI Established in 1949 in Karachi, AGI Denim is one of Pakistan’s leading premium denim manufacturers. As a market leader, keeping abreast of the changing times, we produce quality yarn, denim & garments in an innovative culture that seeks out and uses only the latest equipment and machinery. We pride ourselves on maintaining production methods that ensure a safe and productive work environment for our employees. AGI are vertically integrated company with a largescale operation based in several locations across Karachi, Pakistan. AGI Denim ensures quality, innovation, and design that sets the standard for excellence within the denim manufacturing industry.

AGI is also proud to add the first LEED GOLD certified spinning unit in the country designed according to the industry 4.0 principles also honor that we AGI Denim is world first LEED Gold vertical facility. Our state-of-the-art new LEED certified spinning has the capacity to produce 22 million kg of yarn annually. In addition, keeping with our zero waste focus, we also have the technology to recycle spinning waste into making yarn.



Artistic Milliners (Pvt.) Limited

Artistic Milliners, headquartered in Pakistan, is a multinational denim manufacturing powerhouse with a strong focus on automation, innovation, people and planet. The company has an annual production capacity of 88 million pounds of yarn, 108 million meters of fabric and 30 million garments. Artistic Milliners has diversified its portfolio to include renewable energy with a current capacity of 100 MW of Wind Energy, and has a growing interest in Solar and Hydro plants.

Green Collaborations

Scaling up our sustainability and social impact, we are collaborating with the very best in the world. In 2020, AM became the only manufacturer to pledge to the UN business ambition for 1.5 C. We were also the world's first Cradle 2 Cradle certified denim manufacturer.



Baba Farid Sugar Mills Limited

Set up in 1978, the Mill is named after the well-known Sufi of Pakpattan Baba Farid Ganjshakar. Baba Farid Sugar Mills has been continuously striving to maximize the potential of sugarcane and this focused and continuous effort has resulted in becoming one of Pakistan's leading integrated sugarcane processing companies. Crushing capacity based on operating days 560,000 Metric tons.

MISSION STATEMENT

We value the social and economic well-being of our partners and strive for a harmonious environment conducive to team performance.

VISION STATEMENT

Striving for continuous improvement and innovation with commitment and responsibility

STRATEGIC GOALS

Ensuring Efficient Resource Management by managing human, financial, technical, and infrastructural resources to support all our strategic goals and to ensure the highest possible value addition to stakeholders.



Beltexco Limited (Midas Safety)

The world will always strive to achieve more safety. Midas Safety has the passion, expertise and experience in leading the way to provide best in class hand protection and personal protection equipment for businesses around the world. Our safety solutions can be tailor-made for unique work environments and for applications across many industries. We are committed to ensuring all our products are tested against and exceed all applicable global compliance standards. We have streamlined our operations and developed robust vertical integrations to allow our partners to benefit from quick turn-around times. We believe in complete transparency with all our stakeholders and ensure that all social and environmental commitments get fulfilled.

Environmental & Social Responsibility

Committed to investing in responsible manufacturing processes and we use biomass generated energy during the manufacture of hand protection products. Compliant to the ETI (Ethical Trading Initiative) Base Code of the International Labor Organization (ILO), an internationally recognized code of Labour Practice.



Bestway Cement Limited

In line with its diversification strategy, the Group identified the cement sector in Pakistan as an opportunity and subsequently set up the group's first cement plant in Hattar, Pakistan with an annual production capacity of 1.1 million tonnes in 1995.

With an initial investment of US\$120 million, civil works on the group's first cement plant commenced in 1996 and the kiln was fired two years later. BCL Hattar was established in industry record breaking time of 24 months. This was a greenfield project and the plant was set up in an economically deprived area of Hattar, in the KP Province of Pakistan. Bestway's investment led to the creation of over 800 direct jobs and the economic development of the area.

In February 2004 anticipating a period of resurgent demand in the domestic market, it was decided to expand BCL's operations through setting up its second greenfield plant with an annual capacity of 1.8 million tonnes. The plant was set up in Chakwal in the Province of Punjab, Pakistan at a total investment of US\$140 million in another record breaking period of 19 months. Bestway's investment in one of the most underdeveloped areas of Central Punjab led to the creation of 900 jobs for the local community.

In September 2005 the Group acquired its third cement plant, Mustehkam Cement as part of the Government's Privatisation Programme. This plant had remained non-operational since 1999 and recommenced commercial production within a period of three months post-acquisition. In the post-acquisition period the Group has invested in excess of US\$50 million. In 2009 plant capacity was enhanced to 1.1 million tonnes per annum. BCL's investment in Mustehkam led to the creation of 800 new jobs which had a direct positive effect on the local economy.



Century Paper & Board Mills Limited

Century Paper & Board Mills (CPBM) started its commercial production in 1990 with Three Paper Machines (PMs) with an installed capacity of 30,000 TPY. Till 2008, Century gradually increased its production capacity to 288,000 TPY with Seven Machines (PMs) in operations. In 2003 Company also entered into manufacturing of quality Corrugated Cartons business line with current installed capacity of 40,000 TPY.

Company has two Pulp Lines to process wheat straw and other agricultural residues to produce Bleached and Unbleached Virgin Indigenous Pulps. The chemicals required for pulp mills are produced mainly at mills site.

In view of the energy constraints, company developed a very comprehensive power generation back up apart from the load available from national grid to meet the Energy requirements of the plant with multiple options to use Natural Gas, Biomass, Coal, Furnace Oil or High-Speed Diesel, which is supporting most viable and continuous operations of the company to strengthen its position as the most reliable source of supply to its valued customers chain.

Having specialized in Coated Packaging Boards by installing state of the art plant and acquiring the most modern technology company stands as market leader in One Side Clay Coated Boards, produced on its two multilayer board machines with online multilayer coating facilities. Most of its Coated Boards are used for offset printing for eventual use as folding cartons by various FMCGs, Pharmaceuticals, Confectionery and Tobacco industry etc.

Company is currently substituting imports of One Side Coated Boards from Fareast and Europe and successfully meeting the requirements of the quality of Off Set Printing Houses, equipped with the latest Hi- Speed / Hi-Tech machines from European origins mainly.



Cphgc 1320mw Coal Fired Power Plant

- China Huaneng Group (CHNG) is a key state-owned company established with the approval of the State Council of the People's Republic of China, a state-authorized investment institution and a pilot state-holding company.
- It is an integrated energy group, with its installed capacity ranking first in the world and its business involving electric power, coal, finance, technology and transportation industries.
- CHNG is the first company to have reached the total installed capacity of 100GW in China and has a total wholly-owned installed capacity of 160GW domestically and overseas.
- The installed capacity and power generation accounts for 12% in China.
- The overseas units are located in Australia, Singapore, Myanmar, United Kingdom, Netherlands, Mexico and Philippines distributed in four continents.
- The coal production capacity reaches 68.17 million tons/year, with total assets of 751.3 billion RMB yuan and more than 140,000 employees.
- CHNG was the first Chinese power producer to join the ranks of Global Fortune 500 Companies, ranking 217th in 2016.
- CHNG has achieved excellent operating results and made important contributions to the national energy security and the stable and rapid economic development, with its overall strength leading in the domestic power industry.
- As of the end of 2015, The consolidated operating income reached more than 300 billion RMB Yuan, the controllable installed capacity exceeds 160GW, the low-carbon clean energy consumption accounts for more than 25%, the controllable coal production capacity exceeds 100 million tons/year with more than 25% for CHNG's power generation consumption, and the overseas holding capacity accounts for more than 5%.
- Corporate Mission
- A red company fulfilling the need of loyalty and harmony
- A green company advocating Technological innovation and environmental protection
- A blue company advancing forward via continuous innovation and internationalization
- Corporate Work Style
- Pioneering, Efficient, Trustworthy, Frugal.



Coronet Foods (Private) Limited

Coronet Foods (Private) Limited - CFL was incorporated in May 1995 as a 51% owned Subsidiary of English Biscuit Manufacturers (Private) Limited – EBM. The principal business activity of CFL is manufacturing and marketing of Biscuits of its own brand under the trade name EBM Brands as well as with the brand name PEEK-FREANS under license from its parent company EBM. The purpose of establishing CFL was to set up a new state-of-the-art biscuit plant to provide more innovative tastes to consumers. Another main purpose was to contribute to the national economy by investing in under-developed area of Hattar providing employment to many.

CFL is located at Plot Nos. 55, 57, 72 & 73, Phase III, Industrial Estate, Hattar, Haripur, KPK. The processes being carried out at CFL mainly include receiving of raw material and storage, mixing, cutting, baking, packaging and dispatch and same will be carried out at the extension plant. Further, the auxiliary facilities include generators, solar plant, LPG storage area, workshop, office block, air-conditioning system, laboratory, washrooms, chemical store, maintenance and production and firefighting system. The prime objective of acquiring consultancy services is to conduct environmental monitoring and sampling as performance indicators for environmental compliance. The CFL has carried out environmental monitoring of process emissions, stack exhaust emissions, vehicle emissions, drinking water, wastewater and ambient noise monitoring through third party EPA approved laboratory. This section describes major environmental monitoring analysis result and status of compliance w.r.t to NEQS permissible limits



Dawlance Group Of Companies

Since 1980, Dawlance Premium Home Appliances Company has been turning houses into homes with thoughtfully innovative household appliances. The legacy of Dawlance – that now stretches over more than 3 decades - started off with the production of Refrigerators. Today, Dawlance – with reliability as its core value - provides cutting edge Washing Machines, Chest Freezers, Vertical Freezers, Split AC, Microwave Ovens & Water Dispenser. Over the last 40 years, Dawlance has not only developed the largest dealer network but has also established the largest after-sales service across Pakistan.

Dawlance is on its way to reform practices and incorporate societal commitment and consideration into their daily operations. These include awareness programs, social responsibility initiatives and donation drives.

Dawlance and its employees comply with all applicable national and international environmental laws and regulations; manufacture environmentally friendly products in line with environmental management system based on Continual improvement and sustainability principles.

We perform our activities to:

- Inherit a climate change respected, clean and healthy environment to the new generations
- Use energy and natural resources efficiently
- Minimize the adverse environmental impacts of products and production through product life cycle
- Prevent pollution at the source
- Prioritize climate change and sustainability in all activities
- Raise environmental awareness of our employees and the society
- Accompanying the Quality, Health and Safety and Energy Management Systems and we strive to set a model in durable goods sector with regard to environmental efforts.



Dawood University Of Engineering & Technology

Dawood College of Engineering and Technology (DCET), Karachi holds a significant status of being the first Professional College imparting Engineering Education established in the private sector of Pakistan. The foundation stone of the Institution was laid in 1962 and the first batch of students was admitted in 1964.

Dawood College imparting education in engineering disciplines was the vision of its founder Mr. Ahmed Dawood; an Industrialist cum Philanthropist, who's great foresight considered it a necessity for the Industrial Development of Pakistan. With this vision the institute was the first to establish the disciplines of Chemical Engineering, Metallurgy and Materials Engineering; and Electronics Engineering. In 1972, Dawood College was nationalized and came under the administrative control of Federal Ministry of Education. Thereafter, two new academic programs were initiated viz. Industrial Engineering and Management; and Architecture and Planning (by merging the Karachi School of Architecture established in 1953). A new hostel was also constructed in Gulshan-e-Iqbal that later on changed to the Department of Architecture and Planning, and came to be known as the Iqbal Campus. The Institution since 2010 rode on the way to add more value to the industrial sector of the country by introducing four new Engineering Departments viz. Petroleum and Gas Engineering, Telecommunications Engineering, Computer Systems Engineering, and Energy and Environmental Engineering. In 2011 as a consequence of 18th Constitutional amendment Dawood College of Engineering and Technology was devolved to the Government of Sindh.

The year 2013 was nonetheless but a stepping stone to lead the institution towards betterment and prosperity whereby, the Government of Sindh through an Act of the Provincial Assembly elevated the College to the status of a University i.e. Dawood University of Engineering and Technology (DUET), Karachi



English Biscuit Manufacturers (Pvt) Limited

For over 50 years, EBM is synonymous with quality nourishment that continues to delight both young and old alike with superior taste and wholesome nutrition.

As the largest national FMCG company, we strive to touch people's lives in meaningful ways - through the brands we create and the sustainability initiatives that enable us to reach out to elevate the lives of people.

With a global presence in 30 countries, we have the largest production capacity in Pakistan today. We are a truly global organization with our products being exported to the United States, Canada, the UK, the Middle East, and Africa.

All our products are in accordance with international standards of quality and hygiene, making sure that the highest quality of nourishment reaches our consumers wherever they are based.

As an organization that runs on its principles of humanity and vitality, we stand by our mission to nourish lives, hearts and communities from one generation to the next.



EFU General Insurance Limited

EFU General Insurance Limited is Pakistan's largest and oldest general insurance company, always ready to go the extra mile to serve better.

Ever since the company's establishment in 1932, it has met the challenges of changing times. It has built a diversified customer base, covered more types of risks than any other, enhanced the expertise and delivered on the promises. In the year 2017 EFU General Insurance Ltd. including its Takaful (Islamic Insurance) operations have crossed the Premium/Contribution figure of Rs.20 billion. It is the first general insurance company in the history of Pakistan to achieve this milestone.

EFU General provides wide range of insurance service to fulfill all needs of commercial or individual clients. It provides Fire, Engineering, Marine, Aviation, Motor, Miscellaneous services and Takaful (Islamic Insurance) covers. It has a diversified customer base and writes all classes of industrial, commercial risks and caters to retail business like travel insurance, vehicle insurance, etc. It is rated by national and international rating agencies. i.e., VIS, PACRA of Pakistan and AM Best of USA. VIS and PACRA have assigned rating of AA+ with outlook stable and AM Best have assigned rating of B with outlook stable. EFU is an ISO 9001:2015 certified company.

EFU General is the most powerful trusted brand in the country and is the leading insurer of Chinese infrastructure projects (CPEC) in Pakistan. It has always played a pivotal role of institution, giving the Pakistan insurance industry the leadership, manpower and drive needed to grow and face challenges.



Fatima Fertilizer Company Limited

The fertilizer complex is a fully integrated facility, capable of producing intermediate and final products. The Fatima Fertilizer Company Limited was incorporated on December 24, 2003, as a joint venture between two major business groups in Pakistan namely, Fatima Group and Arif Habib Group. The fertilizer complex is a fully integrated production facility, capable of producing two intermediate products, i.e., Ammonia and Nitric

Acid and four final products which are Urea, Calcium Ammonium Nitrate (CAN), Nitro Phosphate (NP) and Nitrogen Phosphorous Potassium (NPK) at Sadiqabad, Rahim Yar Khan. The Complex has a 56MW captive power plant in addition to off-sites and utilities. The Complex has been allocated 110 MMCFD of gas from the dedicated Mari Gas fields. Foundation stone was laid on April 26, 2006 by the then Prime Minister of Pakistan. The construction of the Complex commenced in March 2007 and is housed on 950 acres of land. The Complex, when completed, is designed to produce: • 500,000 Metric Tons of Urea per Annum • 420,000 Metric Tons of Calcium Ammonium Nitrate (CAN) per Annum • 360,000 Metric Tons of Nitro Phosphate (NP) per Annum The Complex, during its construction phase engaged over 4,000 engineers and technicians from Pakistan, China, USA, Japan and Europe. The Complex provides modern housing for its employees with all necessary facilities. This includes a school for children of employees and the local community, a medical centre and sports facilities.

Vision and Mission Our vision and mission reinforces our position as a driving force in the agricultural sector. Vision: To be a world class manufacturer of fertilizer and ancillary products, with a focus on safety, quality and positive contribution to national economic growth and development. We will care for the environment and the communities we work in while continuing to create shareholders' value.



Fatimafert Limited Plant Site Shaikhupura

Fatima Fert Limited (Formerly DH Fertilizers Limited) is located at Sheikhpura, Punjab, Pakistan. It's a urea manufacturing complex with a current production capacity of 815 MTPD of ammonia and 1350 MTPD of urea.

FFT produces Urea as its main Product & Liquefied Ammonia as a By-Product. Ammonia Plant uses Natural gas as the basic raw material. Ammonia and its by-product Carbon dioxide are then used for the production of prilled Urea. For details please refer to FFT introduction attachment. FFT has 'Local Fabrication Cell' for in-house equipments fabrication & machine spares development. It also has full fledged 'Model Lab' equipped with all necessary

gadgets, tools and simulation softwares for training, Research & Development purposes. FFT has fully functional Workshop having large Machines, testing rigs, contains Electrical, Instrument, Carpentry and Equipment shop. Central Quality Control Laboratory has Instrument for analytical chemistry and product Specification Conformance and Testing. Two Emergency Control centers (EECs) on site & rear site for management support in emergency handling, 24 Hours manned fully Functional Fire Station with Fire Tender to meet any emergency.

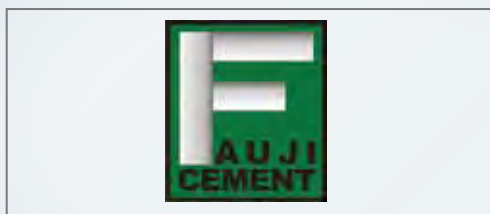
FFT is self-sufficient in power generation for its production facility and residential colony (Township). We are committed to high standards of corporate governance and comply with requirements of all Listing and Prudential Regulations. Site has DuPont PSM, DuPont OHIH, DuPont EMS safety systems and ISO certifications, IFA Certifications & Green Office certifications.



Fauji Fertilizer Bin Qasim Limited (FFBL)

Fauji Fertilizer Bin Qasim Limited (FFBL) is mainly involved in manufacturing and distribution of chemical fertilizers for the farmers and agriculture sector of Pakistan. FFBL is the only manufacturer of DAP and Granular Urea in Pakistan. Its fertilizer manufacturing complex is located at Port Qasim Karachi, whereas its registered office (Head Office) is in DHA Phase-2 Islamabad. Company is listed on Pakistan Stock Exchange (PSX) since May 14, 1996 and the trade symbol of the Company is "FFBL". Major shareholders of the Company are Fauji Foundation (18.29%) a charitable trust incorporated under The Charitable Endowment Act 1890, and Fauji Fertilizer Company Limited (FFC) holds (49.88%) shares of the Company. This makes the Company part of The Fauji Group which is one of the largest conglomerates of Pakistan and has stakes in fertilizer, cement, power, oil & gas sectors of Pakistan. Fauji Group is also involved in foods, oil and grain terminal operations and financial services. A Board of Directors (BoD) nominated by FF Group manages the Company. BoD consists of four Independent Directors, seven Non-Executive Directors including Chairman of the Board and MD&CEO as Executive Director. The Company was incorporated in 1993 and commenced its commercial operations in year 2000. It had an installed capacity 1,670 MT/day of Urea and 1,350 MT/day of DAP. Through consistent in-house expansion and upgradation, the Company has successfully attained highest levels of 2,021 MT/day of Urea and 2,533 MT/day of DAP.

In 2005, Fauji Group started a Joint Venture with Office Cherifien des Phosphates Group (OCP) and formed a new entity with the name of Pakistan Maroc Phosphore S. A (PMP). FFBL has 25% equity holding in PMP and has ensured its continuous supply of Phosphoric Acid (P2O5) which is a raw material for production of DAP Fertilizer.



Fauji Cement Company Limited

Incorporated in 1992, Fauji Cement Company Limited has been the benchmark setter in the cement industry for the last thirty one years in Pakistan, this claim is supported by our superior quality product. Fauji Cement Company Limited (FCCL) is an ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007 in 2018 certified company with a total annual production capacity of 8.4 million tons.

After completing the acquisition of Askari Cement Company Limited (ACL) in 2021, FCCL is strategically placed near hydroelectric power projects and has qualified for mega construction projects in the country. Currently there are 3 manufacturing locations namely Jhang Bahtar, Nizampur and Wah. The company has recently made some substantial developments such as commissioning of Line 3 in Nizampur which exemplifies our ability to provide quality and sustained yield. To bolster FCCL's efforts to reduce suspended dust around its production areas, all manufacturing plant use cutting edge dust sequestration technologies such as Bag House Filters, Electrostatic Precipitators, Bag Filters and CEMS. A Greenfield project is currently under construction in D.G Khan which is expected to come be completed by second quarter 2024. Cementing a renewed path of eco-friendly industrial production on an increasingly larger scale and after commissioning of D.G Khan manufacturing facility, Fauji Cement Company Limited will further solidify its leadership as the second largest cement manufacturer in northern region and third largest cement producer nationally. Sustainable development and reduction of carbon emissions in our operations is one of FCCL's top priorities.

An extensive CSR footprint in communities that we operate in sets FCCL apart from traditional companies. FCCL remains committed to producing top quality cement in the country while contributing towards national growth.



Fauji Fertilizer Company Limited Goth Machhi

Fauji Fertilizer Company Limited (FFC) is Pakistan's leading enterprise with multiple businesses across the country. FFC is the largest urea manufacturer of Pakistan. Its product is marketed under the brand name of Sona Urea. Besides Urea production, the company is also involved in energy generation, food processing, banking and chemicals production. With a diversified profile, FFC is pursuing multiple growth opportunities both inside and outside Pakistan,

providing value for its employees, stakeholders and customers. The company pioneered wind power generation in Pakistan by establishing a 49.5 MW wind power plant which is in operation since May 2013. In food sector, FFC is operating the only IQF food preservation plant in Pakistan. FFC also holds equity stake in Fauji Fertilizer Bin Qasim (FFBL), Askari Bank, Fauji Cement, Thar Energy Ltd and Pakistan Maroc Phospore of Morocco. Fauji Fertilizer Company is operating three urea plants, two of which are situated at Goth Machhi, Rahim Yar Khan. The plants at Goth Machhi have a total design capacity of 1.33 million tons of urea per annum. The company is ISO-9001, ISO-14001 & OHSAS-18001 certified. It is also associated with National Safety Council, USA and International Fertilizer Association, IFA. It is also certified under IFA's Protect & Sustain Stewardship Program.

FFC gives paramount importance to Occupational Health, Safety and Environmental Protection. FFC strives to follow voluntarily developed initiatives in the areas of environment, energy & water conservation, sustainable utilization of natural resources and Social Management. FFC continuously invest in environment friendly technologies and up-gradation of our plants to reduce our environmental footprint. The company boasts a comprehensive safety program undertaken to foster a safe and healthy work environment. The program focuses on both the permanent and contract employees of the company.



Fast Cables Limited

Since its inception in 1985, Fast Cables Limited has emerged as Pakistan's leading and most trusted electrical cable manufacturer. At Fast Cables quality is our first priority combined with superior customer service and affordability. Our emphasis on quality has made Fast Cables one of the most reliable brands in the Cable Industry of Pakistan and the choice of leading electrical consultants, engineers and architects in the country.

Our manufacturing plant in Lahore is equipped with state of the art technology along with an excellent quality assurance system. In addition to our current product portfolio, we also manufacture electrical cables and conductors to cater to the specific needs of our valued customers. We have served the cables needs of our customers from diverse sectors including Building & Infrastructure, Oil & Gas, Telecommunication and many others.



Fauji Oil terminal & Distribution Company Limited

FOTCO is located at Port Qasim about 35 km East of Karachi. The Terminal located on the North side of the Kadiro Creek at position 24o47' N; 67o17' E is an established state-of-the-art oil handling facility capable of handling about 9 million tons of oil per annum with a growth potential of 27 million tons per annum. FOTCO was established in the year 1995 and since has been handling the majority of Diesel and Furnace Oil imports of the Country. Designed and equipped to handle all types of POL Products, the terminal has so far handled over 163 million tons of oil. FOTCO Terminal plays an important role in Pakistan's maritime operations by providing safe, efficient, and smooth handling of the country's fuel requirements. It is the only terminal in the entire region equipped with state-of-a-art automated jetty monitoring system.



FAUJI TRANS TERMINAL LIMITED

FOTCO in a joint venture partnership with Trans Group Pvt Ltd has set up M/s. Fauji Trans Terminal has invested over US\$ 32 million in the development of a state-of-the-art Bulk Oil Storage Tank Farm at Port Qasim with a total capacity of 108,000 M. tons in the first phase for the storage of petroleum products. The storage terminal is intended to facilitate efficient unloading of POL at the existing FOTCO terminal to help reduce Port congestion by unloading vessels at high flow rates of up to 4000 MT/hr. The storage tanks are being made available to Oil Marketing Companies (OMCs) on a spot and term basis, enabling them to enhance their storage capacities.

The storage terminal commenced its commercial operations in January 2020. FTTL is a modern facility, fully integrated with FOTCO Jetty at Port Qasim. The facility is capable of multi-product handling completed with pipelines and truck loading/unloading gantries. The terminal is strictly built-in accordance with the guidelines of the American Petroleum Institute (API) and National Fire Protection Authority (NFPA) of the United States and is equipped with the latest firefighting systems of International Standards. FTTL has a further enhancement capacity of 150,000 M. Ton additional storage, planned for Phase 2.





Gadoon Textile Mills Limited

Gadoon Textile Mills Limited (GTML) is one of the largest spinning unit of Pakistan, primarily concerned with fibre spinning and knitting. Established in 1988, it manufactures and processes all types of cotton and manmade fibres, operating state-of-the-art manufacturing plants in Karachi and GadoonAmazai, Khyber Pakhtunkhwa province. We have a diverse portfolio of products tailored to meet the needs of local and foreign markets.

Gadoon is a pioneer of quality and innovation in the textile manufacturing sector of Pakistan. Hence following its growth and expansion policy, merger with Fazal Textile Mills Limited further strengthen GTML's market position. With an installed capacity of 342,420 spindles and an efficient organisational structure has enabled it to operate independent production units backed by a captive power plant capacity of 56 megawatts.



Habib Bank Limited

HBL, Pakistan's largest bank, was the first commercial bank to be established in Pakistan in 1947. Over the years, HBL has grown its branch network and maintained its position as the largest private sector bank in Pakistan with over 1,650+ branches and 2,100+ ATMs globally, serving 23 million+ customers worldwide.

HBL is shaping the future through a paradigm shift as a 'Technology Company with a Banking License'

The Bank's multiple digital channels are helping it get closer to its customers through innovative and frictionless ways. The Government of Pakistan (GoP) privatized HBL in 2004 through which Aga Khan Fund for Economic Development (AKFED) acquired 51% of the Bank's shareholding and the management control. The remaining 41.5% shareholding by the GoP was divested in April 2015. AKFED continues to retain 51% shareholding in HBL while the remaining shareholding is held by individuals, local and foreign institutions and funds including CDC Group Plc which holds 5% and International Finance Corporation which holds 3%.

The Bank is a leading full-service commercial bank. The key areas of operation are Branch Banking, Corporate & Investment Banking, Treasury, SME & Rural Banking, Financial Institutions & Global Trade Services, Transaction Banking and Islamic Banking.

The Branch Banking business is the mainstay of the Bank, positioning HBL as the largest retail bank in Pakistan catering to all market segments. HBL Corporate & Investment Banking Group is a leading provider of financial services to multinational and local corporate clients across the country. The Bank also has the largest Treasury operations in Pakistan and plays a key role in Pakistan's domestic markets.

HBL enjoys a significant international footprint and is the largest domestic multinational. The Bank's international footprint is important as it provides opportunities to effectively serve its core customers across its network.



Harbin Electric International Company Limited

Harbin Electric International Co., Ltd. (HEI), an important member of HE Group, is China's leading large-scale enterprise is a power solution business oriented company has been established in 1983, HEI is leading business in the entire course of power projects, EPC projects design, construction, commissioning /operation & maintenance and sustainable transmission lines, and other utilities in the area of thermal power plants, hydropower station projects, combined-cycle power plants and wind power projects. HEI also provides comprehensive professional after-sale service for the power plants.

Harbin Electric International has formed its Operation & Maintenance company in Pakistan in 2016.

HEI has accomplished first O&M contract after safe and successful completion of RLNG based QATPL Bhikki 1180 MW CCPP. Our ongoing Quaid E Azam Thermal Power Plant is one of the leading contributor for an uninterrupted power supply to the national grid to cope up the shortages of power crises of country.

The dispatch of electricity generated is fulfilling the requirement of approximately 2.4 million customers across the nation. HEI-O&M is one of the first amongst the who are Operating & Maintaining GE 9HA world's latest and most efficient Gas Turbine.

HSE is one of our core value. We are not only focused on productivity but safety of our personnel's and protection of environment and community is HEI's utmost priority. No any business is successful without its environment friendly initiatives.

We are in fully compliance with NEQs, PEQS, European and world bank guidelines.

HEI O&M environment friendly initiatives acknowledged and awarded by National environmental forums of Pakistan. We have received Annual Environment excellence award consecutively in 2020, 2021 and 2022. We are the first green office power plant in Punjab Pakistan certified by WWF.

HEI O&M has successfully achieved its benchmark of valued reputation in emerging power sector in very short time.



Indigo Textile (Pvt.) Limited

Indigo textile (Pvt) Ltd was formed in the year 2005 with the vision of setting up Pakistan’s most premium state of the art denim manufacturing facility. With an overall capacity of 36M meters, global recognition and providing global fashion market with premium denim products, Indigo has proved itself on different fronts of technology and sustainability. At Indigo we control the entire process of denim manufacturing starting from the yarn to the

finished fabric. We are backed by international quality standards ensuring that every product that is made is of the highest quality.

Our strongest forte is technology and sustainability and we channel down this in the manufacturing of our products.

Weave greener for a greener future

We believe in making denim for a greener tomorrow which is why we aim to adopt practices that are sustainable and helps in lowering our carbon footprint. Our sustainability goals are the targets set for us to achieve, which dictates every step that we take is towards eco-friendly manufacturing.



Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited

- The Project is invested by the consortium of Huaneng Shandong Power Generation Co. Ltd. and Shandong Ruyi Technology Group Co. Ltd.
- The Project is one of the Phase 1 projects in the Sino-Pakistan Economic Corridor, and also the milestone project indicating the important beginning of the Pakistani Government efforts to actively develop policies and attract foreign investors to develop energy projects in Pakistan and the friendship between China and Pakistan.
- The site of Sahiwal 2X660MW coal-fired power plant project is located 160 km to the southwest of Lahore, 16 km to the east of Sahiwal city, which is adjacent to the 500kV transmission line, highway, railway, and Lower Bari Doab Canal.
- Lower Bari Doab Canal (LBDC, a national canal) passes near the site. The site is within 1.5 km from the railway track from Karachi to Lahore and the 500KV transmission line, and approximately 7 km from the Sahiwal 500KV Substation.
- Phase one of the Project will include 2x660MW supercritical coal-fired units made in China, It will be the largest and the first coal-fired project in Pakistan. The coal will be imported from Indonesia and South Africa and transported from Port Qasim to the site by railway. 2x1000MW ultra-supercritical coal-fired units will be planned for Phase two.
- The Project will include 2x660MW supercritical coal-fired units made in China, and occupy an area of about 1000 acres.
- The coal will be imported from Australia, Indonesia and South Africa and transported from Port of Karachi to the site by railway.
- The water will be primarily sourced from LBDC, and closed cycle natural cooling is proposed.
- The power will be connected to the existing 500KV double circuit transmission lines to the west of the power plant.
- The FGD facilities will be installed simultaneously.



Indus Motor Company Limited

Indus Motor Company Limited (IMC) is a joint venture between certain companies of House of Habib of Pakistan, Toyota Motor Corporation (TMC) and Toyota Tsusho Corporation (TTC) of Japan. Incorporated in 1989, the Company manufactures and markets Toyota brand vehicles in Pakistan. These include several variants of the flagship ‘Corolla’ and the newly launched “Yaris” in the passenger car segment, “Hilux” in the light commercial vehicle segment and “Fortuner” in Sports Utility Vehicle segment.

IMC’s manufacturing facility and offices are located at a 107 acre site in Port Qasim, Karachi. The product is delivered to end customers nationwide through a strong network of 46 independent 3S Dealerships spread across the country.

Over 30 years, since inception, IMC has sold more than 903,800 CBU/CKD vehicles. It has also demonstrated impressive growth in terms of volumetric increase. From a modest beginning of 20 vehicles per day production in 1993, daily production capacity of the Company has now increased to 268 (with overtime) units per day. This has been made possible through the development of human talent embracing the ‘Toyota Way’ of quality and lean manufacturing.

IMC has made large scale investments in enhancing its own capacity and in meeting customer requirements for new products. Corolla is, today, the largest selling automotive brand model in Pakistan. This country is the highest Corolla-selling nation in the Asia-Pacific region and also has the distinction of being # 1 in Toyota’s Asian market.

The Company has a workforce of 2,855 persons at year end. It invests heavily in training the team members and management employees and creating a culture of high performing and empowered teams who work seamlessly across the various processes in search of quality and continuous improvement.



International Textile Limited

Established in the 1970s, International Textile Limited has made a name for itself in the market by proving to be a reliable manufacturer of high-quality towels and textile made-ups. With an annual turnover of \$100 million and a daily in-house production capacity of 50 tons of towels, we believe in building business relationships based on trust.

Primarily an exporter of towels, we gradually diversified our product line by entering the institutional as well as the retail end of the business. International Textile Limited (ITL) is an organization with its corporate head office in the metropolitan city of "Karachi", the financial and commercial capital of Pakistan. The company has extensive manufacturing facilities in two locations at Korangi, the Industrial hub of Karachi, which is completely self-reliant through its own power generation. As part of its global reach, the company manufactures and exports textile products throughout the global market. ITL has an established track record of profitable growth and leadership in the markets that it serves. The company's major product lines include Terry Towels and Made-ups, Garments, and Hotel and Restaurant Linen. We also produce high quality healthcare and hospitality Garments. The company's principal markets include the United States, Canada, European Union, United Kingdom, Australia, and United Arab Emirates. ITL customers are all tier-one global brands. The company has pursued and successfully executed a vertical integration operating strategy. This continues to be a key driver in establishing it as a proven leader, while delivering measurably superior value to its customers.



Kot Addu Power Company Limited

KAPCO is Pakistan's largest Independent Power Producer (IPP) having a name plate capacity of 1600 MW. Kot Addu Power Plant was built in five phases between 1985 and 1996 in Kot Addu, Punjab, Pakistan, by the Pakistan Water and Power Development Authority (WAPDA). Kot Addu Power Company Limited (KAPCO) was incorporated as a public limited company in April 1996, under the Companies Ordinance, 1984 with the objective of acquiring the Power Plant from WAPDA. The principal activities of KAPCO include the ownership, operation and maintenance of the Power Plant.

Following the successful completion of the Offer for Sale by the Privatization Commission (on behalf of WAPDA) in February 2005, 18% of KAPCO's shareholding is now held by the General Public. On April 18, 2005 KAPCO was formally listed on all three Stock Exchanges of Pakistan. The Power Plant comprises of 10 multi fuel fired gas turbines and 5 steam turbines. The Power Plant is divided into 3 energy Blocks. Its combined cycle technology enables KAPCO to use the waste heat from the gas turbine exhaust to produce steam in the Heat Recovery Steam Generator, which is then used to run the steam turbines, resulting in fuel cost efficiency and minimum wastage. The Power Plant is a multi-fuel gas-turbine power plant with the capability of using 3 different fuels to generate electricity, i.e. Natural Gas, Low Sulphur Furnace Oil and High Speed Diesel. The Power Plant is also the only major plant in Pakistan with the ability to self start in case of a country wide blackout. KAPCO is the first company in Pakistan to be awarded three simultaneously accreditations under the title of the Integrated Management System. For its achievements in areas of quality, environment and safety, KAPCO was awarded the relevant certifications in July 2004.



Liberty Mills Limited

Welcome to the LIBERTY MILLS LIMITED an esteemed textile company which was established 1965, vertically integrated from spinning to end product with annual export of USD 253 Million, In Liberty, we take pride in producing high-quality hometextile and hospital products made from woven and knits, and apparel fabrics being made for the world-renowned fast fashion retailers. With a passion for excellence and an unwavering commitment to customer satisfaction, we have established ourselves as a trusted name in the industry.

At LIBERTY MILLS LIMITED, we believe that the true essence of a home lies in the comfort and beauty of its textiles. For years, we have been diligently crafting a wide range of exquisite hometextile, hospital products and apparel fabric that cater to the diverse tastes and preferences of our valued customers. Our state-of-the-art manufacturing facility is equipped with the latest technology and machinery, allowing us to create textiles that are not only visually stunning but also durable and long-lasting. From soft and cozy bedding sets to elegant and stylish curtains, our product portfolio reflects a perfect blend of innovation, functionality, and aesthetics. What sets us apart is our unwavering focus on sustainability and ethical practices. We source our materials responsibly and employ eco-friendly manufacturing processes, ensuring that our products have a minimal impact on the environment. Our commitment to social responsibility extends to our workforce, as we provide a safe and conducive working environment, along with fair wages and opportunities for growth. Furthermore, our team of skilled designers and artisans continually push the boundaries of creativity, staying ahead of the latest trends in home decor. This ensures that our offerings are always contemporary, versatile, and able to complement any interior style.



Longi Solar Technology Co. Limited

Founded in 2000, LONGi Green Energy Technology Co., Ltd. (LONGi) is committed to being the most valuable solar technology company in the world. Under the mission of "To make the best of solar energy to build a green world" with a brand positioning of "The most trusted, reliable solar company that blazes the trail for green technology," LONGi is developing solutions for large-scale power plants, for different industries and households with its innovation-focused development. Eventually, we will also supply "Green Power + Green Hydrogen" solutions for global zero-carbon development.

The United Nations' Sustainable Development Goals (SDGs) define the world sustainability missions and priorities by 2030, and offer unprecedented opportunities to speed sustainable development around the world. As an ardent advocate of the SDGs, LONGi continues to strengthen its technical innovation, integrates sustainability goals with its business value chain, and recognizes the goals' significance to the company. These actions position LONGi as a responsible top player in the solar industry. To facilitate the fulfillment of UN 2030 SDGs, LONGi's chairman steers the company's sustainable development, and its executives manage the work through the Sustainability Commission. The Brand Management Department makes overall plans for sustainability strategies, policies, and better managerial frames, and incorporates sustainability topics into business processes to promote the building of the sustainability system throughout the company.



Lotte Chemical Pakistan Limited

Lotte Chemical Pakistan Ltd is a world-class supplier of purified terephthalic acid, an essential raw material used in the polyester industry. Lotte, the South Korean conglomerate, acquired the majority shareholdings in Lotte Chemical Pakistan Limited (LCPL) in September 2009. Subsequently, the name of the Company was changed to Lotte Chemical Pakistan Ltd.

Lotte Chemical Pakistan Ltd is the single largest foreign direct investment to date (US\$ 490 million) in Pakistan's petrochemical industry. The plant at Port Qasim, Karachi was built using ICI's state-of-the-art technology when it was commissioned in 1998. It produces Purified Terephthalic Acid (PTA), an essential raw material for Pakistan's textile and PET packaging industries and forms the backbone of the polyester chain, including Polyester Staple Fibre, Filament Yarn and PET (bottle grade) resin.

In addition to its own manufacturing facilities, the Company has helped create a large infrastructure network at the Port Qasim vicinity, which includes a chemical jetty, raw water pipeline and manufacture of industrial gases through third party contracts. It has therefore been a trendsetter in industrial investment in Pakistan.

The PTA plant was constructed in 1996/97 and started production in June 1998. Within a short time, PPTA's dedicated and highly motivated team of professional engineers proved that it could run this complex plant to world standards of safety, environmental care, product quality and process efficiency. Since 2002 the plant has operated above its nameplate capacity of 400,000 tons per annum and following minor de-bottlenecking and process improvements, is capable of ramping that up to 500,000 tons per annum. The plant remains one of the most advanced facilities in its class in the region.



Lucky Cement Limited

Founded in 1993, Lucky Cement Limited stands as the flagship company of Yunus Brothers Group (YBG). Lucky Cement is the largest producer of Cement in Pakistan with production capacity of 12.15 MTPA and remains one of the country's leading exporters of quality cement. Lucky Cement is listed on the Pakistan Stock Exchange (PSX). The Company has also issued Global Depository Receipts (GDRs), listed and

traded on the Professional Securities Market of the London Stock Exchange and is the first Shariah Compliant Company of Pakistan certified by the SECP. Over the years, the Company has grown substantially and is expanding its business operations with production facilities at strategic locations in Karachi to cater to the Southern regions and Pezu, Khyber Pakhtunkhwa to serve the Northern areas of the Country. The Company has international footprint also, with two joint venture manufacturing facilities in Iraq, whereas one joint venture manufacturing facility in Democratic Republic of Congo. Lucky Cement is Pakistan's first Company to export sizeable quantities of loose cement, being the only cement manufacturer to have its own loading and storage export terminal at Karachi Port.

Lucky Cement strives to remain an efficient and low cost producer and is one of the pioneers to introduce and install Waste Heat Recovery, Refuse Derived Fuel (RDF) and Tyre Derived Fuel (TDF) Plants in Pakistan. It also has self-sufficient Captive power generation facility of 180 MW and supplies additionally generated electricity to support the National grid. Lucky Cement owns a fleet of Bulklers and Trailers, which gives added advantage in terms of logistics and efficient deliveries to all types of customers spread across the length and breadth of the Country.



ANIMAL HEALTH BUSINESS

Lucky Core Industries Limited Animal Health Business

Lucky Core Industries Limited is part of your life in ways you may not even be aware of. Our essential products have applications across sectors, from construction to textiles; from healthcare to water treatment – making us a part of your home and your day, every day.

Lucky Core Industries Limited that was formerly known as ICI Pakistan was originally established in 1944. With over 76 years of successful operations. The Organization is maintain a very high caliber of standard operating procedures and practices in termsof environmental and overall occupational health and safety, continues to strive to improve working of various activities to objectively meet local requirements and relevant by laws requirements foremissions toair, waste water, drinking water, ambient air quality and noise, occupational health and safety practices and satisfy the requirements of various environmental legislations as prescribed by national and international agencies

LCI Limited supply essential products to almost every industry in the country through our five diversebusinesses: Polyester, SodaAsh, Chemicals & Agri Sciences, Pharmaceuticalsand AnimalHealth.LCI Limited is part of Yunus Brothers Group (YBG), one of thefastest-growing and most progressive Pakistani conglomerates with a wide portfolio of businessesincluding,but not limitedto: cement,textiles, power generation and commodity trading. Employing over1, 700 people, the Company is headquarter edin Karachi with operation sspread across Pakistan. LCI Limited businesses are majorplayers within their respective industries, bringing together outstanding knowledge of customer needs with leading-edge technology platforms, having excellent customer service and anuncom promising culture of ethics, safety and people development.

LCI Limited is also engage in CSR activities and commit to manage the social, environmental and economic effects of its operations responsibly and inline with public expectations.



Lucky Core Industries Limited Pharmaceutical Business

Lucky Core Industries Limited takes immense pride in manufacturing, marketing & distributing some of the leading pharmaceutical products available today, including drugs that fight life-threatening diseases. Our strong portfolio of prominent and innovative prescription medicines includes products from internationally renowned pharmaceutical and healthcare partners such as AstraZeneca and Ferrer. We also market our brands; our production capability allows us to manufacture our own high-quality pharmaceuticals and nutraceuticals.

ICI Pharmaceuticals is transforming to become a customer-centric business to foster a positive customer experience at every stage of its decision journey. The marketing strategy has been built on three foundational pillars: Patient/Community Awareness, Advocacy Mobilization, and Scientific Cascades. The focus is on building relationships and delivering value as, when, and how the customer wants it. The business’s journey to move from a single to multichannel approach is another step in this direction.



Lucky Textile Mills Limited

Lucky Textile Mills Limited was first established in 1983 and has since remained one of the leading textile manufacturers in the country to-date. With an indelible commitment to employing the most modern technology and providing outstanding working conditions for all our staff, we have always believed in creating the best value for any entity that invests its time with us. For over 30 years, our continued focal point has remained on our esteemed customers and their satisfaction, which we always strive to guarantee.

With 3 state-of-the-art weaving mills that house 750 Sulzer Shuttle-less looms which are equipped with computerized back process comprising of Karl Mayer warping and sizing machines. This high-tech mechanism is installed to cater to the international market and has a capacity to process 250, 000 meters per day and over 83 million meters / annum processing capacity. Also, our factories facilitate over 6.20 MW of power generation that provides a self sufficient energy source. We maintain that every aspect of our operations is inclined towards adding to a progressive future and firmly believe that by stringently pursuing our core values of Leadership, Understanding, Commitment, Knowledge and Yielding, we will undoubtedly grow to be one of the most successful industry leaders in the country.



Macpac Films Ltd

Macpac Films Ltd is Pakistan's pioneer of BOPP & CPP films, and a leader in the field in sealable, plain, and value-added films for over three decades. Our work is seamlessly woven into the lives of everyday people, in invisible yet vital ways. From confectionery and snacks to lifesaving medication, we help make products everywhere safe and durable through affordable film-based packaging. It is this ubiquity that makes us the nation's

favorite and most advanced packaging manufacturer. This achievement is a credit to our talented team's commitment to success through innovation, as well as our ethos of responsibility and excellence in execution. These are also the factors that have imbued our long-term client relationships trust and stability and allowed us to create new avenues of sustainable profitability



Mal Pakistan

Marketed around the world, the Mobil brand is known for performance and innovation. The Mobil brand is recognized for its advanced technology in lubricants and services, and it is synonymous with Motorsport where performance counts.

Whatever you build, produce, manufacture, run or generate, one fact is clear: better lubricants and Better lubricants suppliers correlate to productivity. Just one reason why more than 5000 equipment builders worldwide recognize Mobil Industrial Lubricants. With a standard-setting product range, and unmatched industry expertise, Mobil Industrial Lubricants don't just elevate productivity. We unleash it.

The Mobil brand first entered Pakistan in September 1997 with its world-renowned range of lubricants for automotive and industrial use. Business is conducted through our corporate office located in Karachi, regional offices located in Lahore and Islamabad

We have an extensive sales network throughout Pakistan supplying lubricants to a wide range of automotive and industrial users. We have direct and indirect sales presence throughout the country, giving us truly nationwide coverage.

Our automotive range includes passenger vehicle oils, commercial vehicle oils, transmission oils, brake fluids and greases. Apart from this, we are market leaders in high performance synthetic oils which are being used in most of the premium class and luxury vehicles across the country.

For industrial applications, we have a broad product range including gas engine oils, heavy duty diesel engine oils, turbine oils, compressor oils, industrial gear oils and hydraulic oils. Our industrial lubricants are being used in almost every industrial application around the world and are endorsed by major equipment manufacturers globally. Segments where our lubricants are market leaders include; Power Generation, Chemicals, Oil & Gas exploration, Textiles, Manufacturing, Construction, Marine and Aviation along with other sectors.



Mehran Sugar Mills Limited

Mehran Sugar is Pakistan's leading producer and marketer of both white and brown sugar. The company also has investments in an ethanol facility as well as in blue chip companies listed on the Karachi Stock Exchange. Mehran was founded in 1965 as a public Limited company and is quoted on the Karachi Stock Exchange. The company has twice been awarded the prestigious top 25 KSE company award.

Vision

We remain focused on being one of Pakistan's leading and largest sugar producers. A modern sugar mill must utilize its raw materials efficiently to produce sugar, ethanol and power at the most competitive pricing. Our vision remains to be the most economical producer of sugar by utilizing our raw materials effectively.

Mission

Our mission remains to ensure we can provide sustainable results and consistent growth to our shareholders. Our objective is to achieve this by utilizing sugar and its by-products to add value and grow our business.

Basic Purpose

The basic purpose of our Enterprise is to perpetuate as a Public Limited Company engaged in manufacturing and marketing white refined cane sugar and brown sugar while utilizing its by-products such as Molasses and Baggasse to produce ethanol and power respectively. To ensure sustainability we also look to make long term investments in industries which we feel add value to our shareholders and to the country.





MM Pakistan (Pvt) Limited

MM Pakistan (Pvt.) Ltd. (MMP) is an independent engineering, management and development consultancy, operating in all major sectors of the economy. Established in 1986, MMP has worked with public, private and multilateral institutions to successfully deliver over 500 projects directly related to Pakistan’s national and strategic interests.

The unique diversity of our business by sectors, skills and geography, enables us to tackle projects of any size, in any sector, at any stage of the project life cycle - from project inception through to delivery, operation and beyond.

MMP’s strong organizational ethos of professionalism, integrity and excellence and the ability to leverage its existing staff of over 1,000 spread across engineering disciplines, has enabled us to have a prestigious legacy of delivering numerous landmark projects. We have participated in mega power projects with a cumulative reserve capacity of more than 20,000 MW including Jamshoro Thermal Power Plant, Suki Kinari and BUNJI Hydropower and the expansion of Tarbela Dam (T4 & T5). We are also proud to have contributed towards the development of Pakistan’s water, urban and infrastructure and social sectors by participating in projects such as Guddu Barrage and Jinnah Barrage construction, Mohmand Hydropower Station, Basha Dam, Kachhi Canal (remaining works), Islamabad International Airport, Benazir Income Support Program (BISP) and Master Plans for numerous cities/districts in AJK, GB, Sindh and Islamabad. Our clients are at the center of everything we do and therefore we ensure that we provide quality services to each and every client based on a quality assurance system as envisaged by ISO-9001:2015. The diverse talents of our people, the power of technology and our strategic affiliations with major international companies gives us an edge over our competitors in the market, while also ensuring that MMP provides the best value-for-money to our clients.



Mondelēz Pakistan Limited

Mondelēz International is an American multinational confectionery, food, and Beverage Company which consists of approximately 83,000 individuals around the world. It consists of the global snack and food brands of Kraft Foods Inc. The company operates in 165 countries around the world.

Mondelēz international is the largest chocolatier, biscuit baker and candy maker and second largest maker of gum. Before the October 2012 it was operating as Kraft Foods. Mondelēz international portfolio includes several billion dollars brands such as Oreo, chips Ahoy, Belvita, Triscuit, LU, Nabisco, club social , Barni, and Milka , Terry’s, Cote d’Or.

Our most familiar products in Pakistan are Cadbury daily Milk in chocolate; éclair and soft mint in candy and Tang for (powder beverages).



Mustaqim Dyeing & Printing Industries (Pvt.) Limited

Mustaqim has been reinventing itself to keep pace with the changing trends in the textile industry. It has ultra-modern facilities which are a modern citadel of technological excellence. Our core business philosophy is to provide the best products that can meet the needs and requirements of our customers. At Mustaqim, we do not aspire to be the largest, but simply the best in our industry. Our mission is to be an enterprise that is acclaimed for its products and services among peers and customers alike by having a responsible workforce and using the best available technology.

We utilize the state of the art technology with the best management practices and expertise to focus on the goal of being the favorite and premium contender in our principal market.

It all began in the year 1994 when Mustaqim was established by starting operations in commission printing. Our expertise in printing skills helped us to pursue a business diversification strategy which resulted in the initiation of our export strategy. Mustaqim has been able to successfully work in the export business because of its expertise and experience.





Naubahar Bottling Company (Pvt.) Limited

Naubahar Bottling Company is one of the Largest manufacturer & distributor of Pepsi Cola Soft drinks in Pakistan.

We have capacity to produce diversified portfolio of

- PepsiCo CSD Products i.e. PET & RGB,
- Bottle Water i.e. Aquafina Bulk & Aquafina PET
- Juices i.e. RGB & Tetra Pak

Vision & Objective:

NBC vision & objective is based on slogan "Customer Satisfaction is our Success", for that we focused to deliver the Safe & Quality oriented Product to their Customers which should meet or exceed their perception.

NBC has adopted, Best Practices for the Conservation of Water & Energy, Utilization of Renewable Resources for the Betterment of Environment.

NBC also has taken the measures for the Plantation of Trees in different areas.

For customer Satisfaction & improvement in process, Company always Focused on Local and National Regulatory & Legislation Obligations like PFA, PSQCA & EPA, International standards like ISO 9001, 22000, HACCP, GMP, Halal and AIB standard.

NBC always believes on Innovation in Technology, values & standard procedures, focused on improvement in productivity and investing on their Employees. We believe on individual's Skills development agenda like personal Training, KPIs, Empowerment, development programs, and workshops.



Oil & Gas Development Company Limited

OGDCL's under a forward-looking management foresees the organization as not only the leading E&P Company of the country, but also as a company known for its people, partnerships and performance in the region. The Company continued with its strategies of accelerating oil and gas exploration, adding to its reserves, early development of newly discovered fields and strengthening of its oil and gas production base in order to enhance indigenous production of the country and create value for its shareholders. It has grown into a technically feasible and commercially viable organization and developed a highly qualified pool of professionals who can undertake and supervise almost all phases of oil and gas exploration and production starting from preliminary geological surveys and culminating in the operation of oil and gas processing plants. In order to execute the exploratory and development programmes, OGDCL has also developed a sound equipment and operational base which includes drilling rigs, Workover rigs, Geological Field Party, Seismic parties, Engineering Field Parties, Gas Gathering and Pipeline Construction Party, Seismic Data Processing Centre, Geological Analysis Laboratory, Wireline Logging Unit, Cementing Units and Data Logging Unit. OGDCL with an aggressive business development strategy provides an enabling environment for foreign participation (either as a JV partner or on a stand-alone basis). The Company is also aiming at fast-track development of its current and future projects at an aggressive pace without compromising quality and transparency.



Pharmevo (Pvt.) Limited

Our journey started in 1999, and our passion for relentless growth has led us to the forefront in the Pharmaceutical Industry in Pakistan. We are proud of each step of our transformational journey, and our mission to provide quality and innovative healthcare solutions has made us among the top 20 Pharmaceutical companies in Pakistan.

The PharmEvo family is committed to improving lives by developing, manufacturing and marketing high-quality products. Driven by our core values, we take great pride in being pioneers of Socially Responsible Marketing in Pakistan. Our ethical approach and cause-based marketing defines our business strategy, both within and outside Pakistan.





Pak-arab Refinery Limited

PAK-ARAB REFINERY LTD. (PARCO), is a Joint Venture between the Government of Pakistan (60%) and the Emirate of Abu Dhabi (40%), through its Mubadala Investment Company.

PARCO's major business activities are:

- Refining
- Transportation
- Marketing

PARCO has the most modern refinery in Pakistan having a capacity of 120,000 BPD, over 2000 kms of cross country pipeline network (including its JV subsidiary Pak-Arab Pipeline Company Limited (PAPCO) with a strategic storage of over one million tons, and a rapidly expanding retail network of TOTAL PARCO (TPPL) – a joint venture with TOTAL of France. With the acquisition of Chevron's fuel business in Pakistan, TPPL is now the second largest Oil Marketing Company in the country. PARCO is also marketing nationwide LPG under the brand of Pearl Gas and fuel oil under the brand of Pearl fuels. High quality asphalt is also being marketed as Biturox.

With continued support of the Emirate of Abu Dhabi and Government of Pakistan, PARCO over the years has been able to implement a number of energy projects that have contributed significantly in enhancing the country's economic growth, saving foreign exchange, transferring technology and providing employment.

PARCO's performance is reflected not only in its technical and financial results, but can also be judged by its other achievements and awards e.g. Company has maintained its AAA and A1+ long and short term credit rating by Pakistan Credit Rating Agency (PACRA) for the twenty third year running. The company is amongst the first in Pakistan with three simultaneous international certifications: ISO 9001:2015 (Quality Management System), ISO 14001:2015 (Environmental Management System) and ISO 45001:2018 (Health & Safety Management System). PARCO has also received Environment Excellence Awards for the last several years and is rated among the top 10 organizations in Pakistan for outstanding achievement in Environment Management.



Packages Limited

Started in 1956 as a joint venture between the Ali Group of Pakistan and Akerlund and Rausing of Sweden. One of the hallmarks of our success is continuous research to refine our offerings. Through our joint ventures with some of the world's biggest names, we constantly improve productivity and augment customer value.

Mission

1. To be a leader in the markets we serve by providing quality products and superior service to our customers while learning from their feedback to set even higher standards for our products.
2. To be a company that continuously enhances its superior technological competence to provide innovative solutions to customer needs.
3. To be a company that attracts and retains outstanding people by creating a culture that fosters openness and innovation promotes individual growth, and rewards initiative and performance.
4. To be a company that combines its people, technology, management systems, and market opportunities to achieve profitable growth while providing fair returns to its investors.
5. To be a company that endeavors to set the highest standards in corporate ethics in serving the society.

Vision

1. Position ourselves to be a regional player of quality packaging and consumer products.
2. Improve on contemporary measures including cost, quality, service, speed of delivery and mobilization.
3. Keep investing in technology, systems and human resource to effectively meet the challenges every new dawn brings.
4. Develop relationships with all our stakeholders based on sustainable cooperation, upholding ethical values, which the shareholders, management and employees represent and continuously strive for.





Pakistan Accumulators (Pvt.) Limited

By the grace of Almighty Allah, Pakistan Accumulators (Pvt.) Limited (PAL) is the largest manufacturer & exporter of automotive & deep cycle battery products in Pakistan. PAL is an accredited company with ISO 9001, 14001 & 45001, IEC by CNC certifications for our quality and environmental management systems. Pakistan Accumulators (Pvt) Ltd. is a Pakistan Standard Quality Control Board Authority certified company.

The plant is spread over 15 acres of land situated at Industrial Estate Hattar, Haripur, KPK, Pakistan. Pakistan Accumulators (Pvt) Ltd has complete in-house facility of injection molding for manufacturing of containers/covers/accessories of all types of batteries being manufactured.

Pakistan Accumulators (Pvt) Ltd's product standards are:

- Japanese Industrial Standards (JIS)
- Deutsches Institute Fur Normung (DIN)
- International Electro-technical Commission (IEC)
- Pakistan Standard Quality Control Authority (PSQCA)

Pakistan Accumulators (Pvt) Ltd's "Vision" states that we aim to become a "CUSTOMER TRUST WINING" company, ensuring that all the stakeholders including the company, trade network and the end user should get the best returns on their investments. With its two brands VOLTA & OSAKA, Pakistan Accumulators (Pvt) Ltd. is one of the largest manufacturers of batteries for automotive, industrial and residential markets in Pakistan. Pakistan Accumulators (Pvt) Ltd. has one of the largest battery manufacturing facilities in Pakistan. Lift the hood of any second automobile in the country and you will see OSAKA or VOLTA battery at its heart. The remarkable success of our products is rooted in our unshakable commitment to quality, widest range of products and a firm commitment to attain maximum customer satisfaction. These values have not only made us the most trusted battery manufacturer in Pakistan but also distinguished us as the leading exporter of batteries in Pakistan.



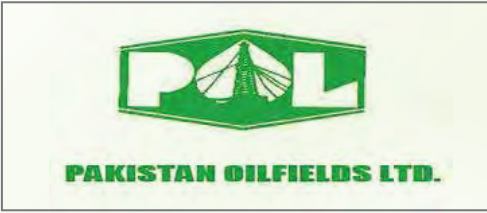
Pak Matiari Lahore Transmission Company Pvt. Limited (PMLTC)

China Electric Power Equipment and Technology (CET), a subsidiary of State Grid Corporation of China established a Special Purpose Vehicle (SPV) namely Pak Matiari Lahore Transmission Company Pvt. Limited (PMLTC) in 2015 in accordance with Government of Pakistan Transmission Policy 2015 for construction and implementation of High Voltage Direct Current (HVDC) project from Matiari to Lahore. PMLTC is a fully owned subsidiary of CET set up in Lahore in accordance with Law of Pakistan.

On 14th May 2018, PMLTC signed the Implementation Agreement with the Government of Pakistan, and Transmission Service Agreement with National Transmission & Despatch Company (NTDC) of the HVDC project under the umbrella of China Pakistan Economic Corridor (CPEC). The Project is conceived on Build Own Operate and Transfer (BOOT) basis as per GoP Transmission Policy 2015. The Company is engaged to design, engineer, construct, insure, Commission operate and maintain a ± 660 kV, Bi-pole HVDC, approximately eight hundred and eighty six (886) kilometers electric transmission line segment that will interconnect with the Grid System of NTDC, from Matiari, in the province of Sindh to Lahore in the province of Punjab, Pakistan. The Company has constructed two Converter Stations along with electrode stations at (i) Matiari District and (ii) Nankana Sahib District.

The Transmission Line route passes through the following Districts of the Province of Sindh and Punjab. (a) Districts in Sindh (i) Matiari (ii) Sanghar (iii) Khairpur (iv) Sukkur (v) Ghotki (b) Districts in Punjab (i) R.Y.Khan (ii) Bahawalpur (iii) Bahawal Nagar (vi) Pak Pattan (vii) Okara (v) Kasur (vi) Nankana Sahib.

The project under CPEC ± 660 kV HVDC Matiari - Lahore Transmission Line has achieved its commercial operation date successfully on 01 Sep 2021 as per agreed timeline between NTDC and PMLTC.



Pakistan Oilfields Limited (POL)

LEGENDARY PAST:

Pakistan oilfields Limited (POL) promoted by the Attock Oil Company Limited (AOC) was incorporated on November 25, 1950 as a Pakistani oil exploration & production company. The Attock Oil Company had been engaged in oil exploration & production since the early part of last century & has discovered oil at Khaur (1915), Dhulian (1936),

Joyamair (1944) & Balkassar (1946) in the Pothohar region. POL discovered oil at Karsal (1960) & Meyal (1968) in the Pothohar Plateau. POL new Oil & Gas discovery include Pariwali – 1 (1994-95), Pindori (1995), Minwal (1996) & Turkwal (1997) in the Potwar Plateau of the upper Indus Basin.

Our Shining Present:

POL operates in nine development & production leases over Balkassar, Dhulian, Joyamair, Khaur, Turkwal, Meyal, Minwal, Pariwali & Pindori fields. POL also owns & operates one deep well drilling rig. POL is actively engaged in oil & gas exploration in two exploration leases namely Ikhlas Block & Kirther South Block in the lower Indus Basin as an Operator.

The company had pioneered 3-D seismic acquisition & its interpretation on state of the art technology. POL has successfully drilled horizontal wells in Meyal, Turkwal & Pindori oil fields which are highly complex tectonic area of Potwar Plateau.

POL has exploration & production joint ventures with OGDCL, Orient petroleum International Inc, Tullow Pakistan (Development) Limited, MOL Pakistan Oil & Gas Company B.V & Pakistan Petroleum Ltd.

POL has gas processing plants at Meyal, Pariwali & Pindori fields. POL also operates an extensive pipeline network for transportation of crude oil from fields to Attock Refinery Limited at Rawalpindi.

In addition to exploration & production for hydrocarbons the company also produces & markets Liquefied Petroleum Gas (LPG), Sulphur & Solvent oil.



Pakistan Refinery Limited (PRL)

Pakistan Refinery Limited (PRL) was incorporated in Pakistan as a Public Limited Company in May 1960 and is quoted on the Pakistan Stock Exchange. The Refinery is situated on the coastal belt of Karachi, Pakistan. PRL is a hydro skimming refinery designed to process various imported and local crude oil to meet the strategic and domestic fuel requirements of the country. The Refinery has a capacity of processing approximately 50,000 barrels per day of crude oil into a variety of distilled petroleum products such as Motor Gasoline, High Speed Diesel, Furnace Oil, Jet Fuels, Kerosene Oil and Naphtha.

The Refinery is operating at two locations – the main processing facility is located at Korangi Creek with supporting crude berthing and storage facility at Keamari.

PRL since inception has been the principal manufacturer and supplier of petroleum products to the domestic market and Pakistan defense forces. It continues to serve the energy needs of the country with professional excellence and high degree of commitment. PRL takes pride in the edge it enjoys over its competitors in respect of efficiency, lower operating cost, high quality human resources, reliability, and introduction of newer generation technologies.

The operations of the Company are managed by the Refinery Leadership Team which is led by the Managing Director and Chief Executive Officer of the Company and is responsible for ensuring that the policies and strategies as approved by the Board are implemented whilst maintaining a culture of openness, integrity, accountability, and commitment to the Company's Principles.



Pfizer Pakistan Limited

Pfizer is much concerned of the designing a comfortable office environment which is about more than aesthetics; careful attention to design can give a boost to employee happiness.

Temperature is the most common office complaint among workers, but there are a number of ways to get ahead of such issues. Our HVAC (heating, ventilation, air conditioning) system works at 26oC which gives more comfort to our colleagues working in 8 to 9 hours.

Our Pfizer office space doesn't have to adhere to the old standard of a ring of executive offices around the perimeter, a cluster of cubicle spaces in the middle and a staid lunch area occupied only at mid-day. These office configurations limit collaboration and have been shown to slow response times in bringing products to market or responding nimbly to client needs. Pfizer give thought to furniture design which ergonomically fits the needs of employees and their work habits Pfizer has implemented the policy of open offices and open-door policy so every employee has a chance to reach out to any level of management whenever required Pfizer is associated with the plants, we have lavish green garden that credited reducing stress and helping to aid concentration. They generate good working relations by demonstrating that our company cares for its staff, good morale is good for our workers and productive happy workers are good for our bottom line. Pfizer has also planned to establish joy corners in the facility, Pfizer EHS seeks continuous improvement by providing better environment and effective monitoring i.e;

Continually monitoring scientific and technical developments by remaining sensitive to EHS expectations and community needs, and taking prudent steps to manage risk.



Pharmatec Pakistan (Pvt.) Ltd.

Pharmatec Pakistan (Pvt.) Ltd. will make proper provision for the health, safety and welfare of its people, visitors and contractors and those in the community who may be affected by its activities. It will care for the environment through a commitment to good environmental practices. Continual improvement will be achieved by implementing the Company's Health, Safety & Environment (EHS) Management System and related standards, which will include the setting of objectives and targets. As a minimum the Company will meet relevant legal industry and other requirements. The Company aims to reduce the health, safety and environmental impacts of its products and processes and prevent pollution by utilizing a structured risk managed line management approach, taking into account the needs of its customers and society at large. All new activities will be assessed for environmental impact and appropriate health and safety provision.

Management is responsible for enacting this policy and giving EHS equal priority with all other business issues. Implementation will be through line managers who will involve employees in the achievement of the Company's objectives. Supported by dedicated EHS Team. It is recognized that accidents, ill health and environmental incident may result from failings in management control and are not necessarily the fault of an individual employee. All employees, however, are expected to accept their responsibility to work safely, adhering to safety rules and work procedures using safety equipment provided, and generally to contribute to the maintenance of safe and healthy conditions. They also have a duty to be environmentally responsible and to have regard for environmental controls.

The Company is committed to effective communication and constitution on EHS matters with all relevant parties and will report internally and publicly on its EHS performance on a regular basis.



Polish Oil & Gas Company (Pogc) Pakistan Branch

'Bridging Energy Needs for Sustainable Development of Pakistan' PolskieGórnictwoNaftoweGazownictwo (PGNiG) also referred as Polish Oil and Gas Company (POGC) operates in Pakistan as a branch office of PKNORLEN, the largest multi-energy concern in the Poland and central Europe, which has a majority shareholding of the Polish Government.

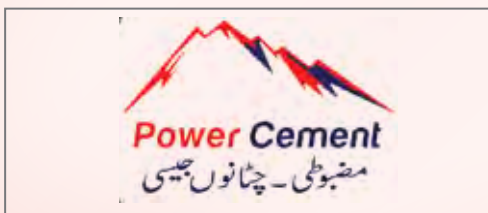
POGC began its operations in Pakistan in May 1997 and has been conducting hydrocarbons exploration and production activities as an Operator since then.

Before acquiring the current Kirthar Concession (Block No. 2667-7), POGC operated and carried out exploration activities in four other Concessions namely Khanpur West, Sabzal, Mekhtar and Sabzal South. POGC has also held a 40% working interest in an exploration block in Nawabshah, Sindh as a Non-Operating Partner.

POGC acquired the Kirthar Block, located in District Dadu (Sindh), as Operator in 2005 and Pakistan Petroleum Limited (PPL) farmed-in the Block as a Joint

Venture Partner in 2006. POGC made discovery of Rehman gas field in 2009 and started extended welltest (EWT) production from it in 2013 hence, becoming the first tight gas producer in Pakistan. The appraisal phase for Rehman gas field was successfully concluded in August, 2015 and commerciality of the field was declared. Government of Pakistan awarded a Development and Production Lease over Rehman field to POGC in 2017 for a period of 25 years.

In 2015, POGC made a second discovery by drilling Rizq-1 well in the Kirthar Block. This year also marks the commissioning of the Rehman Production Facility (RPF) which was constructed to process the gas produced from Rehman and Rizq fields. The facility was inaugurated by the Minister for Petroleum & Natural Resources on November 17, 2015.



Power Cement Limited

Power Cement Limited was established as Private Limited Company on December 01, 1981 and was converted into Public Limited Company on July 09, 1987 and is listed on Karachi and Lahore Stock Exchanges. The Company's principal activity is manufacturing, selling and marketing of cement. The registered office of the Company is situated at 23, Arif Habib Center, M. T. Khan Road, Karachi and its undertaking is situated at Deh Kalo Kohar,

Nooriabad Industrial Estate, District Dadu (Sindh).

Vision:

Power Cement Limited aims to be recognized nationally and internationally as a successful cement producer with a strong satisfied customer base

Mission:

To become a profitable organization and exceed the expectations of our customers and stakeholders by producing and marketing competitive and high quality products through concentration on quality, business values and fair play.

To promote best use and development of human talent in a safe environment, as an equal opportunity employer and use advance technology for efficient and cost effective operation.



Punjab Thermal Power (Pvt.) Limited (Ptpl)

Punjab Thermal Power (Private) Limited (PTPL) is a private limited company incorporated under the Companies Act, 2017. It is wholly owned by the Government of Punjab through Energy Department. The main objective of the Company is to establish and operate a 1263 MW thermal power plant based on RLNG at Haveli Bahadur Shah near Trimmu Barrage, District Jhang in Punjab. The Project financing structure is based on 30% equity contributed by Government of the Punjab and 70% debt arranged from local Banks. PTPL has obtained all regulatory approvals and licenses required for the project such as (i) Letter of Intent (ii) Letter of Support (iii) NEPRA Generation License (iv) Concession Agreements with Central Power Purchasing Agency (CPPA-G) and Private Power Infrastructure Board (PPIB). A Long-term Gas Supply Agreement (GSA) has also been executed with Sui Northern Gas Pipelines Limited. The plant has a 2X2X1 configuration with Siemens GT from Germany with triple pressure HRSG boiler & a gas steam turbine. All major equipment are of European origin.

CORPORATE STRATEGY

Punjab Thermal Power (Private) Limited ("PTPL") aims to bridge the steadily rising gap between electricity demand & supply through establishing and maintaining Re-Gasified Liquefied Natural Gas (RLNG) based Thermal Power Plants possessing high efficiency. The ambition of the Company is to strengthen its position as a leading power producer and to contribute with long-term, cost effective and environment compatible electricity to enhance the national economic activities. PTPL has a strong vision to promote capacity in the energy sector of the Country through development of highly efficient and state-of-the-art technology power plants at the most economical cost for delivering socio-economic benefits to the Country. The Company shall pursue sustainable growth with fair earnings by undertaking balanced management initiatives and leveraging its project management & engineering competences.



Qarshi Industries (Pvt.) Limited

Qarshi Industries is one of the largest and highly rated national companies in Pakistan producing more than 250 health care herbal medicine products, health supplements and refreshing syrups. All the products produced and marketed are backed by Research and development (R & D) Laboratories Lahore and Quality assured by Qarshi Research International (QRI) Labs, Hattar. The Company has evolved into a modern, successful and progressive industry since its establishment in 1988, manufacturing and marketing leading brands of natural products and herbal medicines within the country and abroad. QIL is recognized as a quality-conscious and environment -friendly company and consolidated its image during various phases of its development with modern technical and scientific facilities and commitment to international quality standards. Qarshi is well aware of its environmental obligations as well. The highest quality standards of Qarshi was confirmed by the world's leading newsweekly TIME in its May 5, 2008 issue, which featured Qarshi's Johar Joshanda as 'Best for the Body', in its cover story, 'The Best of Asia'. It's not only a pride for Qarshi but an honor for the country. Having nine national and international accreditation/certifications Qarshi became one of the few leading organizations in SAARC, Middle East and Africa with the commitment to fulfill its obligation and standing for protection and improvement of environment. Qarshi commitment to environmental protection was formalized by acquiring ISO 14001 in 2000 and development of corporate environmental policy in the same year.



Quaid-e-azam Thermal Power Pvt. Limited

Quaid-e-Azam Thermal Power Pvt. Limited (QATPL) was established under Companies Ordinance 1984 by Government of Punjab in March 2015, with the mandate to set up Bhikki Power Plant. It is a government owned plant located along Q.B. Link Canal near Sheikhpura, District Punjab. Bhikki Power Plant is a combined cycle power plant with tested net efficiency of 61.60% and tested net capacity of 1163.123 MW. It employs the

latest and state of the art H-Class gas turbines of General Electric (9HA.01). It is one of the most efficient power plants in Pakistan with one of lowest project costs. The Project configuration is 2 gas turbines, 2 heat recovery steam generators and 1 steam turbine (2+2+1). The primary fuel is imported Re-gasified Liquefied Natural Gas (RLNG) while High Speed Diesel is backup fuel. Power evacuation is done through Gatti-Lahore 500kV transmission line. RLNG is supplied by SNGPL through 18 km spur gas pipeline from Qila Sattar Shah. The project was completed in unprecedented timeline of 32 months and achieved commercial operations date on 20- May-2018. The plant has delivered approximately 16.6 billion units of cheap and clean energy to the national grid till date. The plant has complied with all national/international/ world Bank /IFC environmental regulations since construction phase began and continues to do so.



Roots International School

Roots International Schools has been voted as the best education providing institution in Pakistan. RIS is Pakistan's third largest Education System and has a broad based Global Curriculum. Established in April 1988, Roots has innovated modern education standards, with universally acclaimed academic excellence and all-round development of students. Roots International Schools has more than 50 Campuses nationwide with over 10,000 students enrolled. RIS has achieved academic excellence and all round development of students of over 29 years.

Formed with a vision of molding the intellectual based of the country. Roots serves as a catalyst for economic prosperity and social development of the youth. Its state-of-the-art teaching standards as well as high quality of the student body have earned ROOTS top ranking in the country.

Thus, the efforts of RIS are to strengthen the foundations of tomorrow, by bridging the gap between the leaders of today with those who will lead the world tomorrow! Roots has helped students to break through the barriers that have them back and helped students to reach out and indelibly etch their Rootsians have secured 50 outstanding distinctions in the world on Cambridge, Edexcel, O Level, IGCSE, A Level and BSC Hons University of London International Programmes and ACCA. Out of which 7 have topped in the world, 25 in Pakistan and 12 in the region. Such outstanding achievements are the hallmarks of Roots.



Roots School System

Roots School System RSS is a model private sector educational institution styled on the modern educational system of international standards, specially designed to meet the requirement of the students to meet the challenges by involving the three E's approach EXPOSURE – EXPANSION – EXPLORATION. Established since April 1988, Roots has innovated modern education standards, with universally acclaimed academic excellence and all round development of students. Roots is the home of love, joy and creativity where every child is encouraged to uncover his hidden potential and blossom into a confident adult.

OUR MISSION STATEMENT:

Roots aim is to bring out the best in a child mentally, intellectual, academically, physically and culturally by developing the attitudes, abilities and skills in the students, required to meet the Global Challenges through advancements in curriculum, teaching methodology, school culture and technology.

Roots School System is the parent organization and manages the three tiers of education system i.e. Roots Thematic Montessori, Roots Junior School, Roots College International. Roots School System is the only school in Pakistan providing continuous education from Montessori to undergraduate level. Over the period of last 32 years, Roots School System has grown by leaps and bounds nationwide, having its presence in 20 major cities of Pakistan along with 100 independent and state - of - the - art - campuses. The school employs more than 4000 people with an estimate of 25000 students currently enrolled. With more than 30,000 active alumni, roots is making a difference in every field. Roots School System is the Pakistan's 1st ISO 9001:2008 certified school. Roots is about OPPORTUNITY. Roots offers a world class educational experience to everyone with the ability to benefit, regardless of their economic circumstances. Roots courses are challenging and rigorous, guided and inspired by our first class academic staff.



Reckitt Benckiser Pakistan Limited

Our story is one of innovation and achievement – of scientific breakthroughs and revolutionary products, as well as pioneering social and environmental programmes.

From our earliest years, right up to the present day, we've used our business as a force for good – helping our employees, the communities where we work, and people across the globe, to lead cleaner, healthier lives.

We exist to protect, heal and nurture in the relentless pursuit of a cleaner and healthier world.

This purpose drives everything we do as a company – inspiring us to improve people's lives, through better hygiene, health and nutrition. It unlocks new opportunities – enabling our business to grow, while increasing our positive impact on the planet. And it drives us to continuously innovate to make the best possible products we can.



Sapphire Textile Mills Limited

Sapphire Textile Mills Limited is a vertically integrated composite textile unit, manufacturing cotton yarn, fabric and home textile products. STML is the flagship company of the sapphire group and one of the lead players in the textile composite sector and enjoying more than, 10% share in the sector's sales.

OUR MISSION

Our mission is to be recognized as a premier supplier to the markets we serve by providing quality yarns, fabrics, and other textile products to satisfy the needs of our customers. Our mission will be accomplished through excellence in customer service, sales, and manufacturing supported by the teamwork of all associates. We will continue our tradition of honesty, fairness, integrity, sustainable practices, circular business strategies and creative alliances in relationships with our customers, associates, community and stakeholders.

OUR VISION

To be one of the premier textile companies recognized for leadership in technology, flexibility, responsiveness, and quality. Our customers will share in our success through innovative manufacturing, certifiable quality, exceptional services, organizational CSR, sustainability, and circular economy. Structured to maintain in-depth competence and knowledge about our business, our customers, and worldwide markets.



Sapphire Finishing Mills Limited

Sapphire Finishing Mills is a public limited company created in 2003 as part of the leading textile group in Pakistan.

Every month, we produce 6 million meters of dyed and PFGD (prepared for garment dyeing) cotton and cotton-blend fabric in various weaves, including one- and two-way stretch. In addition, our garment unit produces 100,000 pieces of work wear every month.

Our Strength is Your Advantage

Your customers demand the very best. Sapphire has everything you need to ensure you provide it consistently and reliably... and profitably. From industrial workwear that exceeds the most exacting specifications, to institutional and uniform clothing that delights your customers with its quality and durability, Sapphire has the experience, expertise and capacity to give you one window into excellence at competitive prices.

Our Fabrics 100% Cotton, Poly Cotton, Cotton Rich, Spun Polyester Blended, Polyester Filament, Anti-Static, Organic Cotton.

Our Strengths Durability, Abrasion Resistance, Mechanical Stretch, Excellent Fastness, EN-471 Certified, High Strength Fabric, High Visibility Fabric, Anti-Static Fabric, Water and Oil Repellent fabric, Mosquito Repellent, and much more.

Our Values Environmental friendly. Socially responsible. The best products at competitive prices.

Our Quality Leading research and development capacities, with complete technical lab for ensuring adherence to specifications using international testing standards



Security Papers Limited

Security Papers Limited ("SPL" or "the Company") is a national strategic industrial organization engaged in the business of manufacturing security paper for Banknotes and Other Security Paper products such as Prize Bonds, Defense Savings Certificates, Non-Judicial Stamp Papers, Passport Papers, Cheque Book, Certificate for Educational Boards and Degree for Universities. Due to its strategic nature of operations, the Company

has been classified as Category 1A (KPID) Key Point Installation by the Government of Pakistan.

SPL was incorporated in 1965 as a Private Limited Company and became a Public Limited Company in 1967 with the vision to be a recognized and accepted Security Paper Producing Organization providing the highest quality paper with numerous security features to its customers. The Company started its commercial production in 1969.

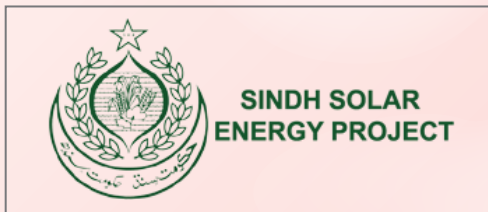
The new state-of-the-art Paper Machine (PM-2) started commercial production in 2003. The PM-2 is producing high-quality specialized Banknotes and Other Security Paper of international standard with custom made security features including 3-dimensional tonal variation watermarks and numerous other counterfeit deterrence capabilities. The production process primarily involves local input of cotton comber and water as raw materials. The Pakistan Security Printing Corporation (Pvt.) Limited (PSPC) is the main customer of SPL. Over the years, the Company has grown substantially and is expanding its production capacities to cater to the ever-growing requirements for security paper products. SPL strives to remain an efficient and low-cost producer of security paper for its customers. To meet current and future technological challenges, SPL has been regularly investing in upgrading its manufacturing facilities to ensure continuous supply of high-quality Banknotes and other security papers to its customers.



Sepcoiii Electric Power Construction Co. Limited

SEPCOIII Electric Power Construction Co, Ltd., a subsidiary of POWERCHINA, is a renowned global engineering corporation specializing in the construction of diverse power plants. With expertise in thermal power, saline water conversion, infrastructure,

concentrating solar power, photovoltaic, wind power, nuclear power, biomass power, and transformer substations, SEPCOIII's operating models are EPCO, EPC, BOT, BOO, and PMC. SEPCOIII offers comprehensive services including project investment and financing, project planning, design consultation, equipment procurement and supervision, equipment shipping, construction and installation, commissioning, and operation & maintenance. The company holds the highest qualifications in power general contracting and state A grade qualification of power engineering.



Sindh Solar Energy

The Sindh Solar Energy Project (SSEP) has been initiated with the technical and financial support of World Bank. WB has funded \$100 million for the project. The project aims to increase solar power generation and access to electricity in Sindh Province, Pakistan.

The SSEP has four components:

Component-I (Utility Scale Solar): The 400 MW grid-connected solar power project will be developed through competitive bidding. The updated progress is as under:

- i) Land allotment: 3 parcels of land allotted on 24th January 2023 in Distt Malir, Karachi, Distt West Karachi and Manjhand ,Distt Jamshoro.
- ii) Feasibility Studies: The Feasibility studies of all three sites completed.
- iii) Pre-Qualification Document: The Expression of Interest for Prequalification process of Manjhand and KE sites has been completed. For Manjhand site 4 companies prequalified out of 5 proposals received. For KE sites 16 Companies are prequalified out of 20 proposals received
- iv) RFP Documents to NEPRA: The Request for proposals (RFP) Documents of all sites, i-e: Manjhand and Karachi submitted to NEPRA for approval. NEPRA conducted hearing of Manjhand site on 9th January 2023. Once the RFPs for all sites are approved, the bidding process will begin.

Component-II (Distributed Solar/ Rooftop Solar): This component will install 50 MW of rooftop solar power on public sector buildings. As part of a COVID-19 emergency project, 32 government hospitals have been solarized (up to 21MW), and installation works on 25 buildings including educational institutions, Jails and public offices with 14 MW is in progress. The target of at least 100 buildings is set to meet out 50 MW installation under this component.

Component-III (Solar Home System): This component will provide 200,000 households in Sindh with solar home systems (SHSs).



Sino Sindh Resources (Pvt.) Limited

Sino Sindh Resources (Pvt.) Ltd, founded in 2011 in Pakistan specialized in mining operation service, is one of the overseas subsidiaries of Shanghai Electric Group Co., Ltd. Mr. Wang Xiaofan is currently the CEO and the general manager of the company. There are Admin & HR Department, Finance Department, Logistic Management Department, Business Management Department, Production Technical Department, Electrical & Mechanical Management Department, HSE Department and other departments with 27 Chinese employees and 26 Pakistani employees. Coal-electricity integration project in Block 1 of Thar Coalfield, a "China-Pakistan Economic Corridor" priority implementation project, includes construction and operation of open-pit coal mine with an annual output of 7.8 million tons and 2X660MW supercritical lignite power station. Sino Sindh is the solely operator of the 7.8 Mtpa Open-pit Coal Mine project. The Block 1 open-pit coal field covers an area of 140km², and the estimated total lignite resource reserve is about 3.8 billion tons, which is No. 1 in Asia and No. 7 in the world and also the largest open-pit coal mine under construction in Pakistan. Surface excavation and removal adopts the interval mining process with single-buck excavators and dump trucks and through continuous mining process the coal extraction will be done using single-buck excavators, dump trucks, semi-mobile crusher station and belt conveyor. Main equipment for both the surface excavation and coal extraction work includes hydraulic excavators and dump trucks and other auxiliary equipment. Based on the workload and exploitation depth of each phase there are different planned transportation system. Located at the Tharparkar area of Mithi City, Sindh, the area is the most south east area of Sindh and the poorest and underdeveloped area.





Shabbir Tiles & Ceramics Limited

Incorporated in 1978, Shabbir Tiles and Ceramics Limited (STILE) is the pioneer and first private sector enterprise in the ceramic industry of Pakistan, listed at Pakistan Stock Exchange.

The Company Brand 'Stile' enjoys the leading position in the Ceramic and Porcelain Tiles industry of Pakistan as its product range is unprecedented in terms of diversity. Moreover, Stile is the only Brand in Pakistan, which has been tested and certified on ISO/European standards of quality by Centro Ceramico, Italy.

The company offers a wide range of sizes, surface finishes, colors, and designs in Porcelain and Ceramic tiles, that conform to high quality standards of durability and aesthetic values. The company has successfully diversified into building and installation materials and has achieved considerable success in manufacturing and marketing it. Our offices located in Karachi, Hyderabad, Multan, Bahawalpur, Faisalabad, Lahore, Rawalpindi, Islamabad, and Peshawar to ensure that the best services are provided to the valued customers. Moreover, to provide the customers with a wide range of tile designs and exceptional customer service under one roof, a number of company-operated flagship stores have been opened all over Pakistan named as 'STILE EMPORIUM & DESIGN STUDIO'. At our emporiums, we also provide our customers with free designing and free delivery service to help them create their dream living spaces. Our products are distributed through the largest nationwide dealership network comprising of over 300 dealers operating in more than 35 cities of Pakistan. Through this, our company has successfully distinguished itself in the face of tough competition.

The STCL plants, based in Karachi, incorporate the latest European technologies & techniques to manufacture high-class products that conform to European standards.



Shahbaz Garments (Pvt.) Limited - Gloves Unit

Shahbaz Garments (Private) Limited (SGL), a subsidiary of Beltexco Limited (based in Hong Kong), has significant expertise in manufacturing and sale of a wide range of industrial gloves to both local and export market. The company is a family owned business with ultimate parent company (Pangea Limited) based in Canada. Owners include Mr. Mustafa Kassam and Mr. Hussain Kassam. The Company is one of the leading gloves producers in Pakistan and has completed five decades of operations at end-June'22. Product portfolio also includes cotton yarn, technical yarn and knitted fabric. Headquartered in Karachi, the Company runs its operations through three manufacturing facilities; two units (Spinning & Gloves) are based in Faisalabad while Knitting unit is located at S.I.T.E Karachi. Power requirement of 3.3MW is met through internal generation with major reliance on gas-based power generators while sanctioned load of 4.0MW from national grid (FESCO) is available as a backup. Moreover, in view of optimizing energy cost, the management has successfully installed two solar panels of total 437Kwh in 2021 through arranging subsidized rate financing from SBP for renewable energy. Going forward, the company plans to further add solar capacity to generate energy savings. Baring the spinning unit, all production facilities have been operating at low utilization levels. However, the same have depicted improvement in 2021 due to recovery in demand with ease in global macro-economic environment. Moreover, given planned expansion in the spinning and knitting units in lieu of projected demand growth, capacity utilization levels for other segments is expected to improve over the rating horizon.



Sui Northern Gas Pipelines Limited (SNGPL)

Sui Northern Gas Pipelines Limited (SNGPL) was incorporated as a private limited Company in 1963 and converted into a public limited company in January 1964 under the Companies Act 1913, now The Companies Act 2017, and is listed on the Pakistan Stock Exchange (PSX). Sui Northern Gas Pipelines Limited (SNGPL) is the largest integrated gas company serving more than 6.8 million consumers in North Central Pakistan through an extensive network

in Punjab, Khyber Pakhtunkhwa and Azad Jammu & Kashmir and is certified against ISO 14001:2015 & OHSAS 18001:2007 Standards. SNGPL's 11 sites have been registered under the "SMART2" Program by Pakistan Environmental Protection Agency (PAK-EPA). The Company has over 50 years of experience in operation and maintenance of high-pressure gas transmission and distribution systems. It has also expanded its activities as Engineering, Procurement and Construction (EPC) Contractor to undertake the planning, designing and construction of pipelines, both for itself and other organizations. SNGPL transmission system extends from Sui in Baluchistan to Peshawar in Khyber Pakhtunkhwa comprising over 9,143.75 KM of Transmission System (Main lines & Loop lines). The distribution activities covering 4,967 main towns along with adjoining villages in Punjab & Khyber Pakhtunkhwa are organized through 16 regional offices. Distribution system consists of 135,857 KM of pipeline. SNGPL has over 6.8 million consumers comprising Commercial, Domestic, General Industry, Fertilizer, Power and Cement Sectors. Annual gas sales to the consumers were 623,724 MMCF during Jul 2019 - Jun 2020.



Sui Southern Gas Company Limited

Sui Southern Gas Company (SSGC) is Pakistan's leading integrated public-limited large-scale natural gas utility Company. The Government of Pakistan directly and indirectly owns the majority of the shareholdings of the Company. SSGC has been engaged in the business of transmission and distribution of natural gas besides installation of high-pressure transmission and low-pressure distribution systems in the franchise provinces of Sindh and

Balochistan since 1954. Being a downstream company, the Company buys gas in bulk from more than twenty-four local and foreign Exploration and Production Companies (E&P) companies, for supply across its franchise areas. SSGC's transmission system comprises over 4,143 KM of high-pressure pipeline ranging from 12" to 42" in diameter. The distribution activities covering over 160 cities and towns and 3,800 villages in Sindh and Balochistan are managed through its regional offices. About 343,664 million cubic feet per day (MMCFD) gas was sold in FY 2020-21 to around 3.21 million industrial, commercial and domestic consumers through a distribution network of 48,254 kms. SSGC operates its own meter manufacturing plant (MMP), the only one of its kind in the entire South East Asia, established under license from M/s. Itron, France. The Plant manufactures G-4 and G-1.6 meters for local consumption along with some exports to international buyers. During FY 2020-21, MMP produced 222,390 G-1.6 and 230,624 G-4 gas meters. SSGC ensures top class customer service through a right blend of technology and human touch and operates 24 Customer Facilitation Centers (CFCs) in Sindh and Balochistan to cater to customer's gas-related queries.

SSGC-LPG (Pvt.) Ltd. is SSGC's wholly-owned fully integrated subsidiary Company engaged in the marketing and distribution of LPG across Pakistan. The subsidiary company has been in operation since 2012.

SSGC is managed by an autonomous Board of Directors comprising of 11 members.



Thal Engineering Limited

The Thermal Systems business started its operations in 1996 with the manufacturing of Auto Air Conditioners for Toyota and Suzuki vehicles manufactured and assembled in Pakistan.

As the Thermal Business evolved in its capabilities through the market requirements for the automobile sector, Thal diversified its product portfolio by starting the mass production of heater blower and air-conditioner controls in 2001 and 2005, respectively. These diversifications were augmented through the addition of heat exchangers, such as heater core, condensers and most recently aluminum radiators. Thal Engineering is the only manufacturer of aluminum radiators in Pakistan.

Ever since its establishment, Thal Engineering's progress has been positive. To deliver a product range of excellent quality, TE entered into a TAA (Technical Assistance Agreement) with Denso Japan in 1996, the second largest auto parts maker in the world, listed on the Fortune 500 and the largest in Japan. The strategic alliance has acquired and obtained world class assistance in manufacturing car air conditioners, heater blowers & now aluminum radiators, enabling TE to move to the next level.



Thal Industries Corporation Limited (TICL)

The Thal Industries Corporation Limited (TICL) has entered into the seventh decade from the time of its incorporation. The Company has two sugar manufacturing units, Unit-1: Layyah Sugar Mills, Layyah with a crushing capacity of 13,000 TCD, and Unit-2: Safina Sugar Mills, Lalian, Chiniot with a crushing capacity of 8,000 TCD. The company was incorporated on September 07, 1953, under the Companies Act 1913. We have strived for success at every step and have devised the perfect formula to achieve it.

OUR BUSINESSES

Sugar Production and power generation are our areas of expertise. Our sugar-crushing units at both plants are based upon the most modern technologies. Advanced sugar technologies have enabled us to produce high-quality sugar to cater to needs of the multinational clients.

OUR SUSTAINABILITY

Our focus is to have as less of an environmental footprint as possible. With a firm belief in recycling, we feel nature must be sent back what it gives us.

QUALITY POLICY

The Thal Industries Corporation Limited commits itself to manufacture and market high-quality refined sugar that is safe, and wholesome refined sugar for its consumers and guaranteed Halal.



Thar Coal Block-1 Power Generation Company (Pvt.) Ltd.

Thar Coal Block-1 Power Generation Company (Pvt.) Ltd., or TCB-1, as a subsidiary of Shanghai Electric, is the owner of Thar Block-1 2 x 660 MW Power Plant Project. It is a key energy project of The Belt and Road Initiative (BRI) as well as a core energy cooperation project under China-Pakistan Economic Corridor (CPEC).

TCB-1 Power Plant under Construction

TCB-1 has been committed to the pursuit of sustainable development goals in production and operation. The project uses advanced supercritical and environmental protection technologies to bring greener energy and lower emissions, matching the related standards. With entering the commercial operation, TCB-1 project is committed to meeting the emission requirements of environmental standards and contributing to an environmentally friendly society. TCB-1 will make good use of the subsequent 30 years of operation and maintenance to ensure sustainable power supply for 4 million households in Pakistan, contributing to CPEC and long live China-Pakistan friendship.

In addition, TCB-1 is also actively fulfilling corporate social responsibilities. The company increases employment opportunities for local people. In details, combined with coal mining, we already created more than 18,000 direct employment opportunities for Pakistani, including employment opportunities for locals in Thar.

TCB-1 is committed to providing one-stop solution including investment, construction and operation. local coal-based electricity project under CPEC, we make effort to bring greener energy and lower emissions based on advanced supercritical and environment-friendly technology.

With the project entering commercial operation, it can provide about 9 billion kilowatt-hours of clean electricity to the local grid every year, which can meet the electricity needs of nearly 4 million local households.



The Hub Power Company Limited

The Hub Power Company Limited (HUBCO) is the first and largest Independent Power Producer (IPP) in the country with a combined installed power generation capacity of 3,581 MW. Our Hub Plant, situated at Mouza Kund, Hub in Balochistan, is one of the most efficient RFO fired thermal power plant in Pakistan, which supplies reliable and uninterrupted electricity to the national grid. Our Narowal Plant is also an RFO-fired, engine based, combined cycle power station, located at Mouza Poong, Narowal in Punjab. HUBCO also holds 75% controlling interest in Laraib Energy Limited, which is a run-of-the-river hydel power plant near the New Bong Escape, 8 km downstream of Mangla Dam in Azad Jammu and Kashmir. Our joint-venture with China Power International Holdings (CPIH), a 1320MW imported coal-based power plant, China Power Hub Generation Company Limited (CPHGC) with its integrated coal jetty, has started its commercial operations providing affordable and uninterrupted energy to over 4 million households.

HUBCO has established two wholly owned subsidiaries for its future growth initiatives, The Hub Power Services Limited (HPSL) & Hub Power Holdings Limited (HPHL). HPHL has been incorporated to invest in the future growth projects. Whereas HPSL manages O&M of HUBCO's existing power assets, including the indigenous coal-based growth projects. In addition to this, HPSL is also exploring other onshore and offshore business opportunities.

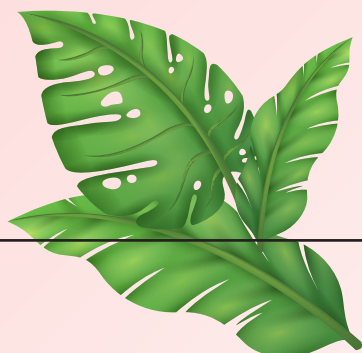
HPSL is currently operating the Hub, Narowal, Laraib and Thar Energy Limited Plants. The Company's wholly owned subsidiary, Narowal Energy Limited (NEL), owns the 225MW Narowal Power Plant.

HUBCO has established Thar Energy Limited (TEL), to set up a 330MW mine-mouth lignite-fired power Plant at Thar Coal Block II Sindh.

Fire Protection Industry of Pakistan

The FPIP is the only fire protection trade association in the Pakistan.

- We are a not-for-profit organisation and a major provider of fire safety training.
- Our objective is to promote, improve and perfect fire protection methods, devices, services and apparatus.
- We achieve this through the representation of our members, providing technical support, guidance and opportunities for professional advancement through education and appropriate regulation.
- We promote and shape legislation and the professional standards of the fire industry through close liaison with government and official bodies, as well as other key stakeholders.
- We also provide funding for research projects in line with our principal objectives.





Tnb Repair Maintenance Sdn.bhd

TNB REMACO established in 1995 and is a wholly owned subsidiary of Tenaga Nasional Berhad (TNB). TNB REMACO is a specialist in operation & maintenance (O&M), overhaul, and repair & maintenance (R&M) of energy-related industry, emphasizing on power plants such as gas, steam and hydro turbines, boiler, generator and many more.

The company's technical experience and competencies covers all the product lines of the world's leading names in power plant and ancillary equipment.

Introduction to 1223 MW CCPP Balloki

1223 MW CCPP Balloki is located in the district Kasur of Punjab 14 Km from the largest artificial forest Changa Manga of Pakistan. The 1223 MW Balloki combined-cycle gas-fired power plant bridges the energy shortfall in Pakistan by being one of the most efficient power plants globally. The plant entered commercial operation in July, 2018 and generates the equivalent power needed to supply more than six million Pakistani homes.

The plant utilizes two high-efficiency General Electric 9HA.01 gas turbines, one steam turbine and associated equipment. The turbine combustion system provides dual fuel capability with R-LNG being the primary fuel, while high-speed diesel serves as the backup fuel. In an RLNG fired combined cycle operation, the plant has an efficiency of greater than 61%.



Tri-Pack Films Limited (Tri-Pack)

Tri-Pack Films Limited (Tri-Pack) – a joint venture between Mitsubishi Corporation of Japan and Packages Limited of Pakistan was incorporated as a Public Limited Company on April 29, 1993 to produce Bi-axially Orientated Polypropylene (BOPP) Films in Pakistan. Its head office is based in Karachi and regional offices are located in Karachi, Lahore and Hattar where focus is to provide customers with dependable, economical and quality films backed by strong customer services. Tri-Pack is indeed proud of making distinctive contributions to the packaging industry in Pakistan.

Since inception the Company has been on a growth trajectory and has come a long way from one BOPP Line of 5,400 tons to four BOPP Lines of 66,800 tons and two CPP Lines of over 17,000 tons.

At Tri-Pack, our passion to cater to the needs of our customers lies at the heart of every endeavor. We go a long mile to get results, operate responsibly, apply innovative technology, execute with excellence, and capture new opportunities to create a wonderful world today for generations to come. We aim to create long term value for shareholders by catering to growing demands in a safe and responsible way. We not only strive to be a world-class operator, but also a responsible corporate citizen and an employer of choice.

Our people and our products are the hallmark of our success that give us the strength to endeavor to be amongst the front runners in delivering to our customers, shareholders and community.



Total PARCO Pakistan Ltd. (TPPL)

Total PARCO Pakistan Ltd. (TPPL) is a joint venture between Total Marketing & Services and PAK ARAB REFINERY LTD (PARCO). It is one of the largest international oil marketing companies in Pakistan. Total PARCO is at the service of both retail and B2B customers in Pakistan. In 2015, Total PARCO acquired the Chevron retail network, making it the second largest OMC operating in Pakistan. Total PARCO Pakistan Limited is committed to human development, quality, reliability and operational safety for its employees, contractors and business partners. Total is a broad energy Group, which produces and markets fuels, natural gas and electricity. Our 100,000 employees are committed to better energy that is safer, more affordable, cleaner and accessible to as many people as possible. Active in more than 130 countries, our ambition is to become the responsible energy major. The Marketing & Services division of Total develops and markets products primarily derived from crude oil, along with all of the associated services. Its 32,000 employees are present in 107 countries and its products and services offers are sold in 150 countries. Every day, Total Marketing Services serves more than 8 million customers in its network of over 15,600 service stations in 71 countries. As the world's fourth largest distributor of lubricants and the leading distributor of petroleum products in Africa, Total Marketing Services has production sites all over the world, where it manufactures the lubricants, bitumen, additives, special fuels and fluids that sustain its growth.

Total PARCO has the 2nd largest network in the country with more than 800 retail outlets in Pakistan, targeting an addition of more than 20 service stations per year. TPPL is an employer of choice with more than 1000 highly trained Pakistani employees (450 direct and 600+ indirect).



Uch Power (Pvt.) Limited

The Uch Power Station is situated 42 km North West Jacobabad, in Dera Murad Jamali Baluchistan Province of Pakistan. The 586 MW plant consists of three General Electric Frame 9E Gas Turbine/Generators (GTs) capable of producing 126 Megawatts each when burning low BTU gas and a GE steam turbine in combined cycle mode. UPL is fully owned by Engie Group an international energy and Power Company.



Exponent Engineers (Pvt.) Ltd

Exponent Engineers (Pvt.) Ltd. (EE), founded in 2001, is a multidisciplinary Engineering Consultancy & Project Management firm, registered with PEC, SECP & FBR. EE has expertise in disciplines such as Mass Transit Systems, Traffic & Transportation Engineering & Planning, Bridge Engineering; Building/Structural Engineering, Urban Infrastructure & Master Planning, Marine Engineering, Environmental Engineering, and Project Management. EE has a wealth of experience working with IDAs including ADB, World Bank, IFC, JICA, AFD and USAID.

MASS TRANSIT SYSTEMS – LEGACY & EXPERIENCE:

EE played a key role in Karachi's Mass Transit Program (KMTP). Our association with KMTP began in 2005 with JICA sponsored Person Trips Study, which resulted in 1st transport demand model of Karachi in 2008. This study led to the development of Karachi Transportation Improvement Project (KTIP) 2030, under JICA financing. KTIP outlined the existing Karachi Mass Transit Program, EE was an integral part of KTIP 2030. EE remained part of JICA team for all projects on revival of Karachi Circular Railway (KCR) until 2015 and later worked for Feasibility Study and Transaction Advisory Services for Development, O&M of KCR with GOP.

EE is part of ADB's team for Karachi BRT Red Line & award-winning Peshawar BRT Projects. EE is also involved with GOS and SIDCL for BRT Green & Orange Line Projects.

EE worked with World Bank for Karachi Urban Mobility Project, BRT Yellow Line for Study on Improving Road Safety along BRT Corridor.

EE also led JV for detailed engineering design for Karachi BRT Blue Line Project; developed feasibility studies & designs of three BRTs in Karachi namely BRT Brown, BRT Yellow & BRT Blue Lines.



Sindh Engro Coal Mining Company (SECMC)

Sindh Engro Coal Mining Company (SECMC) is Pakistan's leading coal producer operating Pakistan's first open-pit lignite mine in Block II of Tharparkar area in Sindh province of Pakistan.

With a current annual mining capacity of 7.6 million tons we continue to provide lignite quality coal to power producers in Pakistan.

We are grounded by our long-standing core values of safety and environment stewardship having amassed key national and international awards of excellence. Sindh Engro Coal Mining Company (SECMC) was established in 2011 as a result of a joint venture of Government of Sindh (GoS), Engro Energy Limited (EEL), Thar Limited (House of Habib), Habib Bank Limited (HBL), HUBCO, and two Chinese companies, China Machinery Engineering Corporation (CMEC) and State Power Investment Corporation (SPIC).

SECMC, which happens to be Pakistan's largest public-private partnership, was established to extract coal from Block II of the Thar Coal Field located in Tehsil Islamkot of Tharparkar, Sindh in Pakistan.

The reserves of Block II alone are substantial, capable of providing 5000 MW of energy for 50 years. This potential not only addresses the energy crisis but also establishes Thar Coal as a vital indigenous resource, ensuring long-term energy self-sufficiency and efficiency for Pakistan's energy sector.



EMC Pakistan Pvt Ltd (EMC)

Established in January 1997, EMC Pakistan (Pvt) Limited, is one of the pioneering consulting companies of Pakistan offering services in the field of Environment, Health; Safety and provides economic and technical solutions to Pakistan's rapidly expanding industrial; commercial sector. EMC comprises a team of highly talented professionals, who work in sync with clients ensuring that the defined assessment, survey or reporting is executed with high level of efficiency. In its 22+ years' working tenure, EMC has successfully conducted large number of assignments pertaining to Environmental Audits, EIA/IEE, Environmental Management, Occupational Health and Safety and Waste Management. In the Industrial Development sector, a consortium of well qualified and experienced professionals constitutes the core team of experts to provide well thought of solutions keeping in view the different dimensions of master planning, legislative requirement and their impacts on the biophysical and socioeconomic environment.

GENDER
EQUALITY



QUALITY
EDUCATION



CLEAN WATER
AND SANITATION



GOOD HEALTH
AND WELL-BEING



a desert blooms hope awakens



The Thar Foundation is committed to changing the lives of the people of Thar for the better through sustainable interventions in the fields of education, healthcare, livelihood, human resource development, infrastructure, safe drinking water, women empowerment, cultural promotion & heritage preservation and disaster management.

The Foundation has adopted the UN's Sustainable Development Goals to ensure Islamkot becomes poverty-free zone, create a healthier and more prosperous Thar, with particular focus on the communities around the mining and power projects.

Energy Lifeline of the Nation

Growing through Expansions
and Acquisitions

Pak-Arab Refinery Limited (PARCO) is a successful joint venture between the Government of Pakistan and Emirate of Abu Dhabi.

- Pakistan's most modern refinery (120,000 barrels of crude oil/day)
- Energy lifeline of the country with over 2000 KM pipeline network
 - Combined strategic oil storage of 1.5 million tons
 - Retail network in partnership with TotalEnergies
 - Marketing and nationwide distribution of LPG
 - Production and sales of high quality asphalt



ARGUS



PAK-ARAB REFINERY LIMITED
A Pakistan-Abu Dhabi Joint Venture